COMMON MODE SMD POWER INDUCTORS / SRI-4PAD TYPE

FEATURES

- Low voltage power supply is prosperous accordingly power saving.
- Four terminals choke coil available for DC-DC converter of less than 3.3V input voltage.

APPLICATIONS

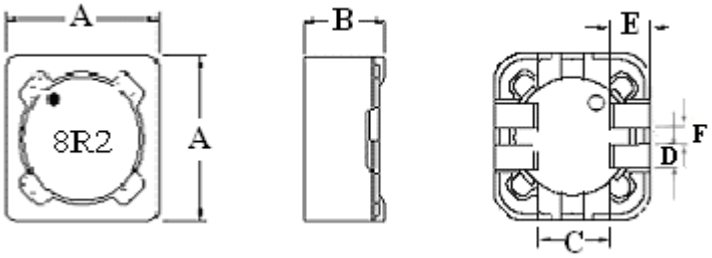
- Notebook size personal computer.
- MPU driving power supply.
- Logic IC power supply.
- P.D.A.

ORDERING CODE

SRI 1207 – □□□ □ – 4PAD

- Tolerance (M: ±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C	D	E	F
SRI0703-4PAD	7.3 ± 0.3	3.2 ± 0.3	5.0 (REF)	0.8 (REF)	1.45 ± 0.15	1.1 (REF)
SRI0704-4PAD	7.3 ± 0.3	4.5 (MAX)	5.0 (REF)	0.8 (REF)	1.45 ± 0.15	1.1 (REF)
SRI1205-4PAD	12.0 ± 0.5	6.0 (MAX)	7.6± 0.3	2.0± 0.2	2.0± 0.2	1.0± 0.2
SRI1207-4PAD	12.0 ± 0.5	8.0 (MAX)	7.6± 0.3	2.0± 0.2	2.0± 0.2	1.0± 0.2

COMMON MODE SMD POWER INDUCTORS / SRI-4PAD TYPE

ELECTRICAL CHARACTERISTICS FOR SRI0703**-4PAD

Part No.	L1=L2 (μH)	DCR(mΩ) (max)	IDC (A) (max)
SRI0703-4R7 □-4PAD	4.7	50	3.20
SRI0703-100 □-4PAD	10	200	2.40
SRI0703-200 □-4PAD	20	280	1.60
SRI0703-220 □-4PAD	22	400	1.60
SRI0703-470 □-4PAD	47	560	1.10
SRI0703-510 □-4PAD	51	700	1.00
SRI0703-221 □-4PAD	220	3000	0.53
SRI0703-251 □-4PAD	250	4200	0.34

ELECTRICAL CHARACTERISTICS FOR SRI0704**-4PAD

Part No.	L1=L2(μH)	DCR (mΩ) (max)	IDC (A) (max)
SRI0704-3R3 □-4PAD	3.3	55	4.50
SRI0704-4R7 □-4PAD	4.7	78	3.40
SRI0704-180 □-4PAD	18	200	2.20
SRI0704-200 □-4PAD	20	230	2.15
SRI0704-600 □-4PAD	60	750	1.20
SRI0704-181 □-4PAD	180	2350	0.40
SRI0704-472 □-4PAD	4700	6800	0.09

ELECTRICAL CHARACTERISTICS FOR SRI1205**-4PAD

Part No.	L1=L2(μH)	DCR (mΩ) (max)	IDC (A) (max)
SRI1205-5R6 □-4PAD	5.6	20	5.30
SRI1205-5R8 □-4PAD	5.8	21	5.00
SRI1205-8R2 □-4PAD	8.2	22	4.70
SRI1205-100 □-4PAD	10	60	4.50
SRI1205-120 □-4PAD	12	80	4.00
SRI1205-150 □-4PAD	15	90	4.00
SRI1205-220 □-4PAD	22	100	3.85
SRI1205-680 □-4PAD	68	300	2.00

ELECTRICAL CHARACTERISTICS FOR SRI1207**-4PAD

Part No.	L1=L2(μH)	DCR(mΩ) (max)	IDC (A) (max)
SRI1207-1R0 □-4PAD	1.0	30	20.0
SRI1207-7R6 □-4PAD	7.6	35	8.0
SRI1207-100 □-4PAD	10	35	8.0
SRI1207-120 □-4PAD	12	58	6.0
SRI1207-330 □-4PAD	33	120	4.5

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

SHIELDED POWER INDUCTORS / SSR TYPE

FEATURES

- Low DC resistance and for large currents.

APPLICATIONS

- Excellent as VTR, OA equipment, LCD television sets, notebook PC.

ORDERING CODE

SSR 0530 – 470 □

- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES

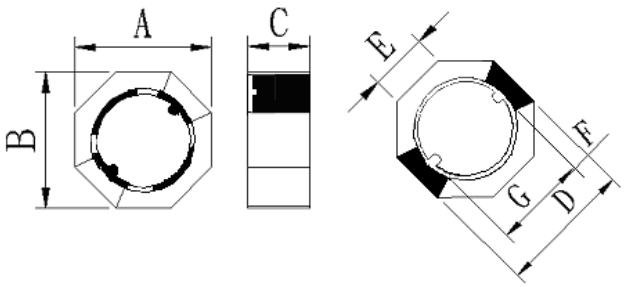


Fig. 1

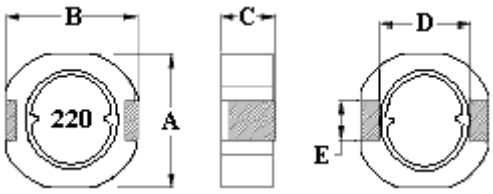


Fig. 2

SHIELDED POWER INDUCTORS / SSR TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A (MAX)	B (MAX)	C (MAX)	D (MAX)	E (REF)	F (REF)	G (REF)
SSR0420	**1**	4.30	4.30	2.00	4.40	1.60	0.50	2.70
SSR0518	**1**	5.30	5.30	1.80	5.80	1.60	0.60	4.20
SSR0520	**1**	5.30	5.30	2.00	5.80	1.60	0.60	4.20
SSR0530	**1**	5.30	5.30	3.00	5.80	1.60	0.60	4.20
SSR0610	**2**	6.30	6.80	1.10	4.80	2.00	-	
SSR0620	**2**	6.30	6.80	2.00	4.80	2.00	-	-
SSR0625	**2**	6.30	6.80	2.50	4.80	2.00	-	-
SSR0630	**2**	6.30	6.80	3.00	4.80	2.00	-	-
SSR0635	**2**	6.30	6.80	3.50	4.80	2.00		
SSR1203	**2**	12.7	12.7	3.50	10.5	6.00	-	-
SSR1205	**2**	12.7	12.7	5.00	10.5	6.00	-	-
SSR1206	**2**	12.7	12.7	6.50	10.5	6.00	-	-
SSR1208	**2**	12.7	12.7	8.50	10.5	6.00	-	-

SHIELDED POWER INDUCTORS / SSR TYPE

ELECTRICAL CHARACTERISTICS FOR SSR0420

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0420-1R0 □	1.0	0.028	2.20
SSR0420-1R2 □	1.2	0.040	2.10
SSR0420-2R2 □	2.2	0.090	2.00
SSR0420-2R5 □	2.5	0.100	2.00
SSR0420-3R3 □	3.3	0.120	1.45
SSR0420-4R7 □	4.7	0.140	1.05
SSR0420-6R8 □	6.8	0.150	0.90
SSR0420-100 □	10	0.200	0.85
SSR0420-150 □	15	0.481	0.61
SSR0420-220 □	22	0.500	0.57
SSR0420-470 □	47	1.780	0.34
SSR0420-680 □	68	2.770	0.25
SSR0420-101 □	100	3.440	0.19

ELECTRICAL CHARACTERISTICS FOR SSR0518

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0518-1R2 □	1.2	0.046	1.80
SSR0518-1R8 □	1.8	0.054	1.60
SSR0518-2R3 □	2.3	0.063	1.50
SSR0518-3R6 □	3.6	0.082	1.20
SSR0518-4R3 □	4.3	0.092	1.10
SSR0518-5R1 □	5.1	0.105	1.00
SSR0518-6R8 □	6.8	0.130	0.94
SSR0518-100 □	10	0.180	0.80
SSR0518-150 □	15	0.270	0.64
SSR0518-180 □	18	0.320	0.60
SSR0518-220 □	22	0.450	0.60
SSR0518-470 □	47	0.930	0.33

SHIELDED POWER INDUCTORS / SSR TYPE

ELECTRICAL CHARACTERISTICS FOR SSR0520

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0520-1R2 □	1.2	0.050	4.30
SSR0520-2R2 □	2.2	0.050	3.20
SSR0520-3R3 □	3.3	0.061	2.20
SSR0520-3R5 □	3.5	0.073	2.00
SSR0520-4R7 □	4.7	0.094	1.90
SSR0520-6R8 □	6.8	0.145	1.80
SSR0520-100 □	10	0.200	1.50
SSR0520-150 □	15	0.210	1.20
SSR0520-220 □	22	0.350	0.80
SSR0520-330 □	33	0.600	0.60
SSR0520-470 □	47	0.730	0.50
SSR0520-680 □	68	1.100	0.40
SSR0520-101 □	100	1.500	0.23

ELECTRICAL CHARACTERISTICS FOR SSR0530

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0530-1R1 □	1.1	0.030	5.00
SSR0530-2R0 □	2.0	0.060	4.50
SSR0530-3R3 □	3.3	0.080	3.40
SSR0530-4R7 □	4.7	0.090	2.50
SSR0530-6R8 □	6.8	0.100	2.30
SSR0530-100 □	10	0.140	2.10
SSR0530-150 □	15	0.350	1.50
SSR0530-220 □	22	0.400	1.20
SSR0530-270 □	27	0.400	1.20
SSR0530-300 □	30	0.450	1.20
SSR0530-330 □	33	0.500	1.00
SSR0530-390 □	39	0.550	0.80
SSR0530-470 □	47	0.650	0.70
SSR0530-680 □	68	0.830	0.65
SSR0530-101 □	100	0.850	0.43

SHIELDED POWER INDUCTORS / SSR TYPE

ELECTRICAL CHARACTERISTICS FOR SSR0610

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0610-2R2 □	2.2	0.13	1.50
SSR0610-4R7 □	4.7	0.27	1.09
SSR0610-6R8 □	6.8	0.35	1.00
SSR0610-100 □	10	0.45	0.80
SSR0610-150 □	15	0.55	0.65
SSR0610-220 □	22	0.90	0.50
SSR0610-470 □	47	2.80	0.32
SSR0610-101 □	100	3.50	0.19

ELECTRICAL CHARACTERISTICS FOR SSR0620

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0620-1R0 □	1.0	0.032	2.60
SSR0620-1R2 □	1.2	0.035	2.50
SSR0620-2R2 □	2.2	0.042	2.10
SSR0620-3R3 □	3.3	0.065	2.00
SSR0620-4R7 □	4.7	0.070	1.60
SSR0620-6R2 □	6.2	0.074	1.49
SSR0620-8R2 □	8.2	0.102	1.25
SSR0620-100 □	10	0.150	1.10
SSR0620-120 □	12	0.153	0.99
SSR0620-150 □	15	0.197	0.94
SSR0620-180 □	18	0.207	0.83
SSR0620-220 □	22	0.280	0.75
SSR0620-270 □	27	0.330	0.65
SSR0620-330 □	33	0.368	0.63
SSR0620-390 □	39	0.473	0.55
SSR0620-470 □	47	0.542	0.50

SHIELDED POWER INDUCTORS / SSR TYPE

ELECTRICAL CHARACTERISTICS FOR SSR0625

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0625-1R0 □	1.0	0.014	3.48
SSR0625-1R5 □	1.5	0.018	2.83
SSR0625-2R0 □	2.0	0.020	2.44
SSR0625-3R3 □	3.3	0.060	2.00
SSR0625-4R3 □	4.3	0.070	2.00
SSR0625-4R7 □	4.7	0.070	1.50
SSR0625-6R2 □	6.2	0.075	1.37
SSR0625-100 □	10	0.080	1.30
SSR0625-120 □	12	0.094	1.10
SSR0625-150 □	15	0.170	1.00
SSR0625-180 □	18	0.170	0.90
SSR0625-220 □	22	0.210	0.80
SSR0625-270 □	27	0.212	0.64
SSR0625-330 □	33	0.244	0.58
SSR0625-390 □	39	0.306	0.53
SSR0625-470 □	47	0.363	0.48
SSR0625-560 □	56	0.431	0.44
SSR0625-680 □	68	0.500	0.40
SSR0625-820 □	82	0.580	0.36
SSR0625-101 □	100	0.820	0.33

ELECTRICAL CHARACTERISTICS FOR SSR0630

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0630-1R0 □	1.0	0.034	4.10
SSR0630-2R2 □	2.2	0.045	3.00
SSR0630-3R3 □	3.3	0.055	2.60
SSR0630-3R6 □	3.6	0.055	2.50
SSR0630-4R7 □	4.7	0.060	2.50
SSR0630-6R8 □	6.8	0.065	2.00
SSR0630-8R0 □	8.0	0.085	1.60
SSR0630-100 □	10	0.100	1.20
SSR0630-150 □	15	0.100	1.05
SSR0630-220 □	22	0.150	1.00
SSR0630-270 □	27	0.180	0.90
SSR0630-330 □	33	0.200	0.80
SSR0630-470 □	47	0.400	0.60

SHIELDED POWER INDUCTORS / SSR TYPE

ELECTRICAL CHARACTERISTICS FOR SSR0635

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR0635-2R0 □	2.0	0.020	2.997
SSR0635-2R7 □	2.7	0.023	2.691
SSR0635-3R3 □	3.3	0.027	2.573
SSR0635-4R7 □	4.7	0.033	2.084
SSR0635-6R2 □	6.2	0.036	1.835
SSR0635-8R2 □	8.2	0.045	1.542
SSR0635-100 □	10	0.052	1.491
SSR0635-120 □	12	0.065	1.282
SSR0635-150 □	15	0.080	1.103
SSR0635-180 □	18	0.085	1.046
SSR0635-220 □	22	0.145	0.850
SSR0635-270 □	27	0.146	0.821
SSR0635-330 □	33	0.169	0.755
SSR0635-390 □	39	0.199	0.700
SSR0635-470 □	47	0.240	0.650
SSR0635-560 □	56	0.268	0.602
SSR0635-680 □	68	0.333	0.556
SSR0635-820 □	82	0.436	0.468
SSR0635-101 □	100	0.496	0.449
SSR0635-151 □	150	0.691	0.367

ELECTRICAL CHARACTERISTICS FOR SSR1203

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR1203-1R0 □	1.0	0.011	12.0
SSR1203-2R2 □	2.2	0.017	11.0
SSR1203-3R3 □	3.3	0.022	9.9
SSR1203-4R7 □	4.7	0.032	8.8
SSR1203-5R6 □	5.6	0.040	7.7
SSR1203-6R8 □	6.8	0.045	6.6
SSR1203-8R2 □	8.2	0.048	5.5
SSR1203-100 □	10	0.062	4.5
SSR1203-120 □	12	0.065	3.4
SSR1203-150 □	15	0.077	3.2
SSR1203-180 □	18	0.088	2.9
SSR1203-220 □	22	0.097	2.6
SSR1203-330 □	33	0.153	2.4
SSR1203-470 □	47	0.246	2.1
SSR1203-680 □	68	0.325	1.6

SHIELDED POWER INDUCTORS / SSR TYPE

ELECTRICAL CHARACTERISTICS FOR SSR1205

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR1205-1R5 □	1.5	0.005	8.10
SSR1205-2R5 □	2.5	0.008	7.30
SSR1205-3R8 □	3.8	0.015	6.50
SSR1205-5R2 □	5.2	0.018	5.70
SSR1205-7R0 □	7.0	0.023	4.90
SSR1205-100 □	10	0.028	4.50
SSR1205-150 □	15	0.050	3.20
SSR1205-220 □	22	0.066	2.90
SSR1205-330 □	33	0.097	2.70
SSR1205-470 □	47	0.160	1.90
SSR1205-680 □	68	0.220	1.50
SSR1205-101 □	100	0.308	1.20
SSR1205-151 □	150	0.530	0.95
SSR1205-221 □	220	0.700	0.80
SSR1205-331 □	330	0.990	0.50

ELECTRICAL CHARACTERISTICS FOR SSR1206

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR1206-100 □	10	0.025	4.00
SSR1206-120 □	12	0.027	3.50
SSR1206-150 □	15	0.030	3.30
SSR1206-180 □	18	0.034	3.00
SSR1206-220 □	22	0.036	2.80
SSR1206-270 □	27	0.051	2.30
SSR1206-330 □	33	0.057	2.10
SSR1206-390 □	39	0.068	2.00
SSR1206-470 □	47	0.075	1.80
SSR1206-560 □	56	0.110	1.70
SSR1206-680 □	68	0.120	1.50
SSR1206-820 □	82	0.140	1.40
SSR1206-101 □	100	0.160	1.30
SSR1206-121 □	120	0.170	1.10
SSR1206-151 □	150	0.230	1.00
SSR1206-181 □	180	0.290	0.90
SSR1206-221 □	220	0.400	0.80
SSR1206-271 □	270	0.460	0.75

SHIELDED POWER INDUCTORS / SSR TYPE

ELECTRICAL CHARACTERISTICS FOR SSR1208

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SSR1208-1R2 □	1.2	0.005	9.80
SSR1208-2R4 □	2.4	0.011	8.00
SSR1208-3R5 □	3.5	0.013	7.50
SSR1208-4R7 □	4.7	0.015	6.80
SSR1208-6R8 □	6.8	0.017	6.60
SSR1208-7R6 □	7.6	0.020	5.90
SSR1208-100 □	10	0.021	5.40
SSR1208-120 □	12	0.024	4.90
SSR1208-150 □	15	0.027	4.50
SSR1208-180 □	18	0.039	3.90
SSR1208-220 □	22	0.043	3.60
SSR1208-270 □	27	0.045	3.40
SSR1208-330 □	33	0.064	3.00
SSR1208-390 □	39	0.072	2.75
SSR1208-470 □	47	0.100	2.50
SSR1208-560 □	56	0.110	2.35
SSR1208-680 □	68	0.140	2.10
SSR1208-820 □	82	0.160	1.95
SSR1208-101 □	100	0.220	1.70

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

SHIELDED SMD POWER INDUCTORS / SCI TYPE

FEATURES

- Low DC resistance
- Suitable for large currents
- Available in magnetically shielded
- Small size with the electrode attached to it

APPLICATIONS

- LCD TV
- OA equipment
- DC/DC converter
- Power supply for VTRs
- Notebook and personal computer
- Portable communication equipment and etc.

ORDERING CODE

SCI 3D16 - 1R0 □

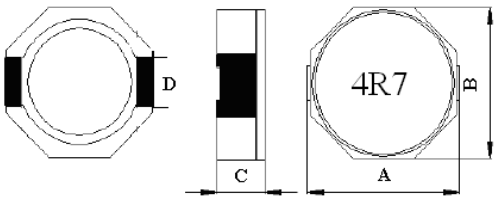
- □ — Tolerance (M:±20%)
- 1R0 — Inductance
- 3D16 — Dimension
- SCI — Product Symbol

SHAPES

Fig1. SCI2D09/2D11/2D14 Type

Fig2. SCI3D11/3D14/3D16 Type

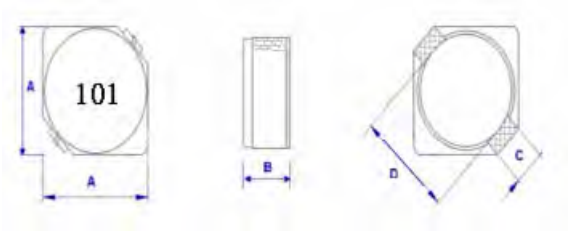
Fig3. SCI8D Type



SHAPES

Fig4. SCI3D28/4D/5D/6D Type

Fig5. SCI2D18 Type



SHIELDED SMD POWER INDUCTORS / SCI TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A (Max)	B (Max)	C (Ref.)	D (Ref.)
SCI 2D09	1	3.2	1.1	1.00	2.1
SCI 2D11	1	3.2	1.3	1.00	2.1
SCI 2D14	1	3.2	1.6	1.00	2.1
SCI 2D18	5	3.2	2.0	1.00	2.1
SCI 3D11	2	4.0	1.3	3.75	1.2
SCI 3D14	2	4.0	1.8	3.75	1.2
SCI 3D16	2	4.0	1.9	3.75	1.2
SCI 3D28	4	4.0	3.0	3.75	1.2
SCI 4D18	4	5.0	2.0	4.50	1.6
SCI 4D28	4	5.0	3.0	4.50	1.6
SCI 5D18	4	6.0	2.0	5.60	2.0
SCI 5D28	4	6.0	3.0	5.60	2.0
SCI 6D28	4	7.0	3.0	6.50	2.0
SCI 6D38	4	7.0	4.0	6.50	2.0
SCI 8D28	3	9.5	8.4	3.20 (Max)	2.5
SCI 8D43	3	9.5	8.4	5.00 (Max)	2.5

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI2D09

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D09-3R0 □	3.0	0.165	1.20
SCI2D09-4R7 □	4.7	0.270	1.05
SCI2D09-100 □	10	0.500	0.70
SCI2D09-220 □	22	1.289	0.20

ELECTRICAL CHARACTERISTICS FOR SCI2D11

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D11-1R0 □	1.0	0.075	1.20
SCI2D11-1R5 □	1.5	0.085	1.00
SCI2D11-2R2 □	2.2	0.098	1.00
SCI2D11-2R5 □	2.2	0.115	0.95
SCI2D11-3R3 □	3.3	0.160	0.85
SCI2D11-4R7 □	4.7	0.170	0.80
SCI2D11-6R8 □	6.8	0.350	0.53
SCI2D11-8R2 □	8.2	0.400	0.52
SCI2D11-100 □	10	0.450	0.35
SCI2D11-150 □	15	0.580	0.35
SCI2D11-220 □	22	0.700	0.30

ELECTRICAL CHARACTERISTICS FOR SCI2D14

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D14-R82 □	0.82	0.055	2.50
SCI2D14-1R0 □	1.0	0.080	2.40
SCI2D14-1R5 □	1.5	0.085	1.65
SCI2D14-2R2 □	2.2	0.094	1.50
SCI2D14-3R3 □	3.3	0.145	1.10
SCI2D14-4R7 □	4.7	0.169	1.00
SCI2D14-5R6 □	5.6	0.250	1.00
SCI2D14-6R8 □	6.8	0.260	0.75
SCI2D14-100 □	10	0.550	0.40
SCI2D14-220 □	22	0.900	0.40
SCI2D14-470 □	47	2.300	0.30

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI2D18

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI2D18-1R0 □	1.0	0.0700	1.40
SCI2D18-1R5 □	1.5	0.0800	1.30
SCI2D18-2R2 □	2.2	0.0900	0.90
SCI2D18-3R3 □	3.3	0.0940	0.80
SCI2D18-4R7 □	4.7	0.1000	0.68
SCI2D18-6R8 □	6.8	0.1500	0.59
SCI2D18-100 □	10	0.1800	0.46
SCI2D18-150 □	15	0.2200	0.35
SCI2D18-220 □	22	0.3000	0.28
SCI2D18-330 □	33	0.6000	0.23
SCI2D18-101 □	100	1.8600	0.15

ELECTRICAL CHARACTERISTICS FOR SCI3D11

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D11-2R2 □	2.2	0.125	0.70
SCI3D11-3R3 □	3.3	0.173	0.50
SCI3D11-4R7 □	4.7	0.180	0.40
SCI3D11-6R8 □	6.8	0.200	0.30
SCI3D11-100 □	10	0.350	0.30
SCI3D11-220 □	22	0.920	0.20
SCI3D11-101 □	100	3.200	0.15

ELECTRICAL CHARACTERISTICS FOR SCI3D14

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D14-4R7 □	4.7	0.158	1.6
SCI3D14-100 □	10	0.268	1.1

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI3D16

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D16-1R2 □	1.2	0.050	1.800
SCI3D16-2R2 □	2.2	0.060	1.400
SCI3D16-3R0 □	3.0	0.075	0.950
SCI3D16-3R3 □	3.3	0.080	0.920
SCI3D16-4R7 □	4.7	0.091	0.900
SCI3D16-5R3 □	5.3	0.180	0.700
SCI3D16-6R8 □	6.8	0.200	0.600
SCI3D16-100 □	10	0.220	0.600
SCI3D16-150 □	15	0.350	0.400
SCI3D16-220 □	22	0.356	0.310
SCI3D16-270 □	27	0.380	0.300
SCI3D16-290 □	29	0.390	0.300
SCI3D16-330 □	33	0.550	0.300
SCI3D16-370 □	37	0.600	0.260
SCI3D16-470 □	47	0.775	0.240
SCI3D16-680 □	68	1.100	0.220
SCI3D16-101 □	100	1.400	0.170
SCI3D16-102 □	1000	20.400	0.057

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI3D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI3D28-R70 □	0.7	0.030	2.00
SCI3D28-1R0 □	1.0	0.040	2.00
SCI3D28-2R2 □	2.2	0.040	1.00
SCI3D28-3R3 □	3.3	0.050	1.00
SCI3D28-3R9 □	3.9	0.058	0.95
SCI3D28-4R7 □	4.7	0.060	0.90
SCI3D28-5R6 □	5.6	0.070	0.80
SCI3D28-8R2 □	8.2	0.070	0.70
SCI3D28-100 □	10	0.080	0.49
SCI3D28-120 □	12	0.090	0.48
SCI3D28-150 □	15	0.095	0.40
SCI3D28-220 □	22	0.144	0.40
SCI3D28-270 □	27	0.400	0.30
SCI3D28-330 □	33	0.450	0.28
SCI3D28-390 □	39	0.500	0.25
SCI3D28-470 □	47	0. 550	0.23
SCI3D28-560 □	56	0.600	0.20
SCI3D28-680 □	68	0.600	0.19
SCI3D28-101 □	100	0.608	0.17
SCI3D28-151 □	150	0.880	0.10
SCI3D28-181 □	180	1.130	0.06
SCI3D28-221 □	220	1.260	0.04

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI4D18

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI4D18-1R0 □	1.0	0.035	2.70
SCI4D18-1R2 □	1.2	0.035	2.60
SCI4D18-1R5 □	1.5	0.045	2.50
SCI4D18-2R2 □	2.2	0.060	2.20
SCI4D18-3R3 □	3.3	0.070	1.60
SCI4D18-3R9 □	3.9	0.072	1.50
SCI4D18-4R7 □	4.7	0.100	1.20
SCI4D18-6R8 □	6.8	0.150	1.00
SCI4D18-7R3 □	7.3	0.160	0.90
SCI4D18-8R2 □	8.2	0.180	0.80
SCI4D18-100 □	10	0.200	0.80
SCI4D18-150 □	15	0.240	0.80
SCI4D18-180 □	18	0.280	0.60
SCI4D18-220 □	22	0.300	0.55
SCI4D18-330 □	33	0.550	0.50
SCI4D18-470 □	47	0.630	0.43
SCI4D18-101 □	100	2.000	0.20
SCI4D18-181 □	180	2.600	0.19
SCI4D18-221 □	220	2.800	0.15
SCI4D18-471 □	470	7.000	0.12
SCI4D18-681 □	680	10.080	0.12

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI4D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI4D28-1R0 □	1.0	0.030	5.00
SCI4D28-1R2 □	1.2	0.030	4.00
SCI4D28-1R5 □	1.5	0.030	3.70
SCI4D28-1R8 □	1.8	0.031	3.50
SCI4D28-2R2 □	2.2	0.031	3.00
SCI4D28-2R7 □	2.7	0.035	2.90
SCI4D28-3R3 □	3.3	0.049	2.30
SCI4D28-3R9 □	3.9	0.058	2.20
SCI4D28-4R7 □	4.7	0.072	2.10
SCI4D28-5R0 □	5.0	0.088	2.00
SCI4D28-6R8 □	6.8	0.090	1.70
SCI4D28-8R2 □	8.2	0.120	1.50
SCI4D28-100 □	10	0.128	1.40
SCI4D28-120 □	12	0.132	1.23
SCI4D28-150 □	15	0.149	1.00
SCI4D28-180 □	18	0.250	1.00
SCI4D28-220 □	22	0.255	0.95
SCI4D28-330 □	33	0.258	0.65
SCI4D28-390 □	39	0.400	0.65
SCI4D28-470 □	47	0.478	0.63
SCI4D28-101 □	100	1.000	0.30
SCI4D28-151 □	150	1.500	0.25
SCI4D28-181 □	180	1.540	0.25
SCI4D28-221 □	220	2.000	0.20
SCI4D28-331 □	330	4.000	0.20

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI5D18

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI5D18-1R2 □	1.2	0.032	4.00
SCI5D18-2R0 □	2.0	0.040	2.60
SCI5D18-2R2 □	2.2	0.045	2.50
SCI5D18-3R3 □	3.3	0.060	2.00
SCI5D18-4R1 □	4.1	0.065	1.80
SCI5D18-4R7 □	4.7	0.072	1.60
SCI5D18-5R4 □	5.4	0.080	1.50
SCI5D18-6R2 □	6.2	0.090	1.50
SCI5D18-6R8 □	6.8	0.105	1.35
SCI5D18-8R9 □	8.9	0.110	1.30
SCI5D18-100 □	10	0.124	1.20
SCI5D18-150 □	15	0.160	0.85
SCI5D18-180 □	18	0.200	0.80
SCI5D18-220 □	22	0.400	0.60
SCI5D18-330 □	33	0.400	0.55
SCI5D18-470 □	47	0.500	0.50
SCI5D18-680 □	68	0.800	0.48
SCI5D18-101 □	100	0.950	0.30
SCI5D18-121 □	120	0.950	0.25
SCI5D18-171 □	170	1.500	0.25
SCI5D18-181 □	180	1.950	0.24
SCI5D18-391 □	390	4.100	0.20

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI5D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI5D28-1R0 □	1.0	0.020	4.00
SCI5D28-1R5 □	1.5	0.030	3.00
SCI5D28-2R2 □	2.2	0.035	2.60
SCI5D28-2R5 □	2.5	0.035	2.60
SCI5D28-2R6 □	2.6	0.036	2.25
SCI5D28-2R7 □	2.7	0.037	2.20
SCI5D28-3R0 □	3.0	0.038	2.20
SCI5D28-3R3 □	3.3	0.039	2.10
SCI5D28-3R9 □	3.9	0.040	2.00
SCI5D28-4R2 □	4.2	0.045	1.80
SCI5D28-4R7 □	4.7	0.045	1.80
SCI5D28-5R3 □	5.3	0.050	1.70
SCI5D28-5R6 □	5.6	0.050	1.60
SCI5D28-6R2 □	6.2	0.050	1.50
SCI5D28-6R8 □	6.8	0.050	1.50
SCI5D28-8R2 □	8.2	0.055	1.35
SCI5D28-100 □	10	0.065	1.30
SCI5D28-120 □	12	0.075	1.20
SCI5D28-150 □	15	0.090	1.10
SCI5D28-180 □	18	0.100	0.85
SCI5D28-220 □	22	0.122	0.75
SCI5D28-270 □	27	0.125	0.70
SCI5D28-330 □	33	0.180	0.70
SCI5D28-390 □	39	0.180	0.60
SCI5D28-470 □	47	0.260	0.55
SCI5D28-560 □	56	0.305	0.50
SCI5D28-680 □	68	0.355	0.42
SCI5D28-101 □	100	0.520	0.37
SCI5D28-121 □	120	0.550	0.30
SCI5D28-151 □	150	0.800	0.30
SCI5D28-181 □	180	1.000	0.28
SCI5D28-221 □	220	1.100	0.23

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI6D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI6D28-1R2 □	1.2	0.025	4.50
SCI6D28-1R5 □	1.5	0.027	4.30
SCI6D28-2R2 □	2.2	0.030	3.50
SCI6D28-3R3 □	3.3	0.032	3.20
SCI6D28-3R9 □	3.9	0.035	3.00
SCI6D28-4R7 □	4.7	0.036	2.80
SCI6D28-5R0 □	5.0	0.038	2.40
SCI6D28-5R6 □	5.6	0.040	2.40
SCI6D28-6R0 □	6.0	0.040	2.25
SCI6D28-6R2 □	6.2	0.040	2.20
SCI6D28-6R8 □	6.8	0.045	2.10
SCI6D28-7R1 □	7.1	0.045	1.90
SCI6D28-7R5 □	7.5	0.065	1.90
SCI6D28-100 □	10	0.065	1.70
SCI6D28-150 □	15	0.084	1.20
SCI6D28-220 □	22	0.128	1.00
SCI6D28-330 □	33	0.165	0.80
SCI6D28-470 □	47	0.238	0.60
SCI6D28-560 □	56	0.277	0.55
SCI6D28-680 □	68	0.304	0.50
SCI6D28-101 □	100	0.535	0.50
SCI6D28-151 □	150	0.550	0.36
SCI6D28-221 □	220	1.000	0.30

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI6D38

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI6D38-1R0 □	1.0	0.030	5.00
SCI6D38-2R2 □	2.2	0.035	4.10
SCI6D38-2R7 □	2.7	0.036	4.00
SCI6D38-3R3 □	3.3	0.037	3.70
SCI6D38-3R6 □	3.6	0.038	3.50
SCI6D38-4R7 □	4.7	0.040	3.20
SCI6D38-5R0 □	5.0	0.040	3.00
SCI6D38-5R6 □	5.6	0.040	2.40
SCI6D38-6R2 □	6.2	0.040	2.40
SCI6D38-6R3 □	6.3	0.055	2.40
SCI6D38-6R8 □	6.8	0.060	2.40
SCI6D38-7R4 □	7.4	0.060	2.40
SCI6D38-8R2 □	8.2	0.065	2.20
SCI6D38-100 □	10	0.075	2.00
SCI6D38-150 □	15	0.080	1.60
SCI6D38-220 □	22	0.096	1.30
SCI6D38-330 □	33	0.130	1.10
SCI6D38-390 □	39	0.138	1.00
SCI6D38-470 □	47	0.155	0.90
SCI6D38-560 □	56	0.190	0.75
SCI6D38-680 □	68	0.234	0.75
SCI6D38-101 □	100	0.368	0.63
SCI6D38-151 □	150	0.450	0.43
SCI6D38-221 □	220	0.800	0.35
SCI6D38-331 □	330	1.000	0.34
SCI6D38-471 □	470	1.300	0.27

SHIELDED SMD POWER INDUCTORS / SCI TYPE

ELECTRICAL CHARACTERISTICS FOR SCI8D28

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI8D28-1R0 □	1.0	0.021	5.50
SCI8D28-4R7 □	4.7	0.050	3.90
SCI8D28-5R6 □	5.6	0.050	3.50
SCI8D28-6R8 □	6.8	0.060	3.40
SCI8D28-100 □	10	0.070	3.00
SCI8D28-220 □	22	0.099	1.10
SCI8D28-101 □	100	0.500	0.65

ELECTRICAL CHARACTERISTICS FOR SCI8D43

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SCI8D43-1R0 □	1.0	0.0160	6.000
SCI8D43-4R7 □	4.7	0.0189	5.373
SCI8D43-6R8 □	6.8	0.0400	4.500
SCI8D43-8R0 □	8.0	0.0500	4.500
SCI8D43-100 □	10	0.0610	4.000
SCI8D43-150 □	15	0.075	2.000
SCI8D43-220 □	22	0.1000	1.500
SCI8D43-330 □	33	0.2000	1.300
SCI8D43-470 □	47	0.2500	1.200
SCI8D43-680 □	68	0.2600	1.100

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

SHIELDED SMD POWER INDUCTORS / SDI TYPE

FEATURES

- Ideal inductors for DC-DC conversion
- With magnetic shield against radiation
- High power and high saturation inductors
- Directly connected electrode on ferrite core

APPLICATIONS

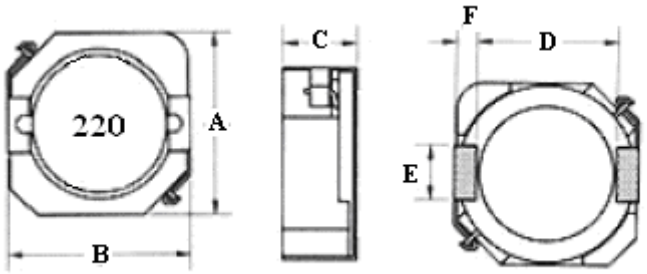
- LCD TV
- Notebook
- DC/DC converters
- Power supply for VTRs
- Portable communication equipment

ORDERING CODE

SDI 105R - 470 □

- □ : Tolerance (K:±10%, M:±20%)
- 470 : Inductance
- 105R : Dimension
- SDI : Product Symbol

SHAPES



SHIELDED SMD POWER INDUCTORS / SDI TYPE

DIMENSIONS (UNIT: mm)

Part No.	A(Max)	B(Max)	C(Max)	D(Ref.)	E(Ref.)	F(Ref.)
SDI 103R	10.3	10.5	3.0	7.7	3.0	1.2
SDI 104R	10.3	10.5	4.0	7.7	3.0	1.2
SDI 105R	10.3	10.5	5.0	7.7	3.0	1.2
SDI 106R	10.3	10.5	6.0	7.7	3.0	1.2

SHIELDED SMD POWER INDUCTORS / SDI TYPE

ELECTRICAL CHARACTERISTICS FOR SDI103R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI103R -1R5 □	1.5	0.020	5.00
SDI103R -2R4 □	2.4	0.024	4.50
SDI103R -2R5 □	2.5	0.025	4.50
SDI103R-3R3 □	3.3	0.027	4.20
SDI103R -4R7 □	4.7	0.028	3.50
SDI103R -8R2 □	8.2	0.045	3.30
SDI103R -100 □	10	0.050	2.40
SDI103R -150 □	15	0.080	2.40
SDI103R -220 □	22	0.100	2.16
SDI103R -330 □	33	0.135	1.74
SDI103R -470 □	47	0.230	1.40
SDI103R -560 □	56	0.240	1.20
SDI103R -680 □	68	0.278	1.10
SDI103R -101 □	100	0.360	0.80
SDI103R -221 □	220	1.000	0.65

SHIELDED SMD POWER INDUCTORS / SDI TYPE

ELECTRICAL CHARACTERISTICS FOR SDI104R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI104R -0R3 □	0.3	0.015	11.00
SDI104R -1R0 □	1.0	0.018	8.00
SDI104R -1R5 □	1.5	0.018	7.50
SDI104R -2R2 □	2.2	0.020	6.80
SDI104R -2R5 □	2.5	0.020	6.40
SDI104R -3R3 □	3.3	0.020	6.20
SDI104R -3R8 □	3.8	0.023	6.10
SDI104R -4R7 □	4.7	0.024	6.00
SDI104R -5R2 □	5.2	0.025	5.60
SDI104R -5R6 □	5.6	0.025	5.50
SDI104R -5R8 □	5.8	0.026	5.40
SDI104R -6R8 □	6.8	0.027	4.80
SDI104R -7R0 □	7	0.027	4.80
SDI104R -8R2 □	8.2	0.050	4.40
SDI104R -100 □	10	0.050	4.40
SDI104R -150 □	15	0.050	3.60
SDI104R -180 □	18	0.055	3.20
SDI104R -220 □	22	0.073	2.90
SDI104R -270 □	27	0.090	2.50
SDI104R -330 □	33	0.093	2.20
SDI104R -470 □	47	0.128	2.10
SDI104R- 680 □	68	0.213	1.50
SDI104R- 820 □	82	0.245	1.50
SDI104R -101 □	100	0.304	1.35
SDI104R -121 □	120	0.500	1.20
SDI104R -151 □	150	0.506	1.15
SDI104R -181 □	180	0.750	0.95
SDI104R -221 □	220	0.756	0.92
SDI104R -331 □	330	1.500	0.60

SHIELDED SMD POWER INDUCTORS / SDI TYPE

ELECTRICAL CHARACTERISTICS FOR SDI105R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI105R -2R2 □	2.2	0.0090	8.50
SDI105R -3R3 □	3.3	0.0105	7.20
SDI105R -4R0 □	4.0	0.0140	6.50
SDI105R -4R7 □	4.7	0.0140	5.00
SDI105R -6R8 □	6.8	0.0250	5.00
SDI105R -8R2 □	8.2	0.0300	4.00
SDI105R -100 □	10	0.0300	3.50
SDI105R -120 □	12	0.0300	3.10
SDI105R -150 □	15	0.0410	3.00
SDI105R -220 □	22	0.0610	2.90
SDI105R -330 □	33	0.0840	2.10
SDI105R -470 □	47	0.1000	1.80
SDI105R -560 □	56	0.1100	1.40
SDI105R -680 □	68	0.2010	1.20
SDI105R -101 □	100	0.2100	1.00
SDI105R -121 □	120	0.2300	1.00
SDI105R -151 □	150	0.2700	0.90
SDI105R -181 □	180	0.2880	0.85
SDI105R -221 □	220	0.4000	0.70
SDI105R -331 □	330	0.8000	0.50
SDI105R -471 □	470	1.2800	0.50
SDI105R -561 □	560	1.3000	0.47
SDI105R -681 □	560	1.3000	0.47
SDI105R -821 □	680	1.3500	0.39
SDI105R -102 □	1000	2.1500	0.35

SHIELDED SMD POWER INDUCTORS / SDI TYPE

ELECTRICAL CHARACTERISTICS FOR SDI106R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI106R -3R3 □	3.3	0.010	7.50
SDI106R -4R7 □	4.7	0.018	5.60
SDI106R -6R8 □	6.8	0.022	5.30
SDI106R -8R2 □	8.2	0.023	4.50
SDI106R -100 □	10	0.024	4.20
SDI106R -120 □	12	0.026	3.60
SDI106R -150 □	15	0.031	3.00
SDI106R -180 □	18	0.041	3.00
SDI106R -220 □	22	0.055	2.50
SDI106R -330 □	33	0.098	2.20
SDI106R -470 □	47	0.130	1.80
SDI106R -680 □	68	0.150	1.40
SDI106R -820 □	82	0.180	1.20
SDI106R -101 □	100	0.200	1.10
SDI106R -121 □	120	0.210	1.00
SDI106R -151 □	150	0.250	1.00
SDI106R -181 □	180	0.250	0.85
SDI106R -221 □	220	0.400	0.80
SDI106R -331 □	330	0.500	0.70
SDI106R -681 □	680	0.950	0.40
SDI106R -821 □	820	1.500	0.40
SDI106R -102 □	1000	1.550	0.30

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

SHIELDED SMD POWER INDUCTORS / SDR TYPE

FEATURES

- Low DC resistance and for large currents & low profile.

APPLICATIONS

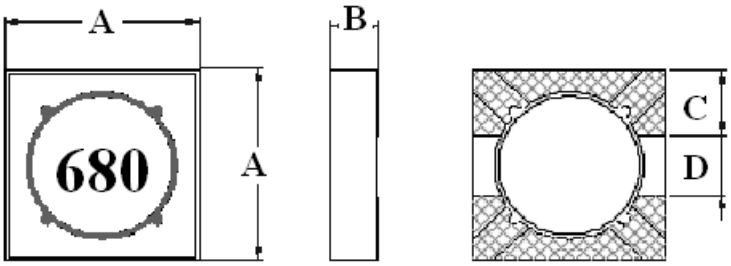
- LCD driving circuits (DC-DC converters) such as notebook-sized personal computers, portable terminal equipment, game units etc.

ORDERING CODE

SDR 3811 - 1R5 M

- M: Tolerance (M:±20%)
- 1R5: Impedance
- 3811: Dimension
- SDR: Product Symbol

SHAPE



DIMENSIONS UNIT: mm

Part No.	A (MAX)	B (MAX)	C (REF)	D (REF)
SDR3811	3.8±0.3	1.30	1.30	1.20
SDR3818	3.8±0.3	1.80	1.30	1.20
SDR5010	5.20	1.00	1.50	2.00
SDR5012	5.20	1.20	1.50	2.00
SDR5018	5.20	1.80	1.50	1.50
SDR5020	5.20	2.00	1.50	2.00
SDR5025	5.20	2.50	2.00	2.00
SDR5818	6.10	2.00	1.90	2.00
SDR5828	6.10	3.00	1.90	2.00
SDR6822	7.00	2.50	2.30	2.20
SDR6828	7.00	3.00	2.20	2.20

SHIELDED SMD POWER INDUCTORS / SDR TYPE

ELECTRICAL CHARACTERISTICS FOR SDR3811 / SDR3818

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR3811-1R0N	1.0	0.200	1.50	**SDR3818-1R5M**	1.5	0.047	1.55
SDR3811-2R5M	2.5	0.180	0.95	**SDR3818-2R5M**	2.5	0.058	1.25
SDR3811-3R3M	3.3	0.090	0.85	**SDR3818-3R6M**	3.6	0.085	1.10
SDR3811-4R7M	4.7	0.125	0.75	**SDR3818-4R7M**	4.7	0.105	0.90
SDR3811-6R8M	6.8	0.210	0.62	**SDR3818-6R8M**	6.8	0.156	0.75
SDR3811-100M	10	1.453	0.50	**SDR3818-100M**	10	0.350	0.56
SDR3811-150M	15	0.420	0.38	**SDR3818-101M**	100	3.200	0.18
SDR3811-220M	22	0.680	0.32	**SDR3818-220M**	22	0.450	0.36
SDR3811-330M	33	0.860	0.27	**SDR3818-330M**	33	0.660	0.32
SDR3811-470M	47	1.800	0.23	**SDR3818-470M**	47	1.000	0.07
SDR3811-680M	68	2.250	0.18	**SDR3818-680M**	68	1.450	0.22
SDR3811-101M	100	3.600	0.15	**SDR3818-101M**	100	2.400	0.18

ELECTRICAL CHARACTERISTICS FOR SDR5010 / SDR5012

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR5010-2R2M	2.2	0.0912	1.650	**SDR5012-2R2M**	2.2	0.0747	1.800
SDR5010-3R3M	3.3	0.1078	1.310	**SDR5012-3R3M**	3.3	0.1043	1.420
SDR5010-4R7M	4.7	0.1525	1.080	**SDR5012-4R7M**	4.7	0.1177	1.290
SDR5010-6R2M	6.2	0.1870	0.920	**SDR5012-6R2M**	6.2	0.1699	1.080
SDR5010-8R2M	8.2	0.2607	0.800	**SDR5012-8R2M**	8.2	0.2399	0.931
SDR5010-100M	10	0.2888	0.752	**SDR5012-100M**	10	0.4800	0.818
SDR5010-150M	15	0.4429	0.605	**SDR5012-150M**	15	0.4089	0.692
SDR5010-220M	22	0.6718	0.506	**SDR5012-220M**	22	0.6388	0.574
SDR5010-330M	33	0.9807	0.420	**SDR5012-330M**	33	1.3700	0.520
SDR5010-470M	47	1.4700	0.349	**SDR5012-470M**	47	1.3700	0.391
SDR5010-680M	68	1.8400	0.285	**SDR5012-680M**	68	2.1600	0.325
SDR5010-820M	82	2.5000	0.261	**SDR5012-820M**	82	2.3600	0.297
SDR5010-101M	100	3.2900	0.236	**SDR5012-101M**	100	2.6400	0.273
SDR5010-151M	150	4.1500	0.195	**SDR5012-151M**	150	3.9600	0.220
SDR5010-221M	220	8.0000	0.160	**SDR5012-221M**	220	4.7600	0.181
SDR5010-331M	330	9.8300	0.131	**SDR5012-331M**	330	7.2500	0.148
SDR5010-471M	470	19.200	0.110	**SDR5012-471M**	47	15.000	0.126
SDR5012-R47M	0.47	0.2300	2.632	**SDR5012-6R8M**	6.8	0.2800	1.000
SDR5012-1R2M	1.2	0.0366	2.450	**SDR5012-100M**	10	0.4800	0.818
SDR5012-1R5M	1.5	0.0521	2.080	**SDR5012-330M**	33	1.3700	0.520

SHIELDED SMD POWER INDUCTORS / SDR TYPE

ELECTRICAL CHARACTERISTICS FOR SDR5018 / SDR5020

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR5018-R47M	0.47	0.0201	4.630	**SDR5020-R47M**	0.47	0.0200	4.000
SDR5018-1R2M	1.2	0.0294	2.950	**SDR5020-1R2M**	1.2	0.0275	2.550
SDR5018-1R5M	1.5	0.0345	2.490	**SDR5020-1R5M**	1.5	0.0312	2.150
SDR5018-2R2M	2.2	0.0398	2.160	**SDR5020-2R2M**	2.2	57.000	2.20
SDR5018-3R3M	3.3	0.1080	1.700	**SDR5020-3R2N**	3.2	63.000	1.47
SDR5018-4R7M	4.7	95.500	1.540	**SDR5020-4R5M**	4.5	0.0900	1.33
SDR5018-6R2M	6.2	0.1000	1.300	**SDR5020-6R8M**	6.8	0.1320	1.04
SDR5018-8R2M	8.2	0.1351	1.120	**SDR5020-8R2M**	8.2	0.1000	0.966
SDR5018-100M	10	0.1584	0.982	**SDR5020-100M**	10	0.1100	0.903
SDR5018-150M	15	0.5000	0.830	**SDR5020-150M**	15	0.1655	0.718
SDR5018-6R8M	6.8	0.2040	1.120	**SDR5020-220M**	22	0.2053	0.596
SDR5018-330M	33	0.5057	0.568	**SDR5020-330M**	33	0.3100	0.491
SDR5018-470M	47	0.7732	0.470	**SDR5020-470M**	47	0.4650	0.406
SDR5018-680M	68	0.9798	0.390	**SDR5020-680M**	68	0.6947	0.337
SDR5018-820M	82	1.3000	0.356	**SDR5020-820M**	82	0.7800	0.308
SDR5018-101M	100	1.4700	0.321	**SDR5020-101M**	100	1.0600	0.283
SDR5018-151M	150	2.1800	0.263	**SDR5020-151M**	150	1.3700	0.228
SDR5018-221M	220	2.9500	0.217	**SDR5020-221M**	220	2.0400	0.188
SDR5018-331M	330	4.2000	0.177	**SDR5020-331M**	330	2.9900	0.155
SDR5018-471M	470	6.3900	0.148	**SDR5020-471M**	470	3.7400	0.129
SDR5018-681M	680	9.2800	0.124	**SDR5020-681M**	680	5.5600	0.107

ELECTRICAL CHARACTERISTICS FOR SDR5025

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR5025-R47M	0.47	0.0177	6.000	**SDR5025-100M**	10	0.1300	1.270
SDR5025-R82M	0.82	0.0208	4.670	**SDR5025-102M**	1000	5.7000	0.100
SDR5025-1R2M	1.20	0.0240	3.810	**SDR5025-150M**	15	0.2400	1.080
SDR5025-1R5M	1.50	0.0274	3.230	**SDR5025-220M**	22	0.1478	0.857
SDR5025-2R2M	2.20	0.3200	2.800	**SDR5025-330M**	33	0.5500	0.710
SDR5025-3R3M	3.30	49.000	2.210	**SDR5025-470M**	47	0.8200	0.592
SDR5025-4R7M	4.70	0.0600	1.830	**SDR5025-680M**	68	0.4850	0.482
SDR5025-6R8M	6.80	0.0556	1.560	**SDR5025-820M**	82	0.5200	0.441
SDR5025-101M	100	0.5900	0.398	**SDR5025-331M**	330	2.0700	0.219
SDR5025-151M	150	0.8700	0.328	**SDR5025-471M**	470	3.1000	0.184
SDR5025-221M	220	1.3400	0.268	**SDR5025-681M**	680	3.8800	0.154

SHIELDED SMD POWER INDUCTORS / SDR TYPE

ELECTRICAL CHARACTERISTICS FOR SDR5818

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR5818-1R2M	1.20	0.030	3.00	**SDR5818-220M**	22	0.280	0.80
SDR5818-1R8M	1.80	0.035	2.60	**SDR5818-270M**	27	0.320	0.75
SDR5818-2R5M	2.50	0.040	2.40	**SDR5818-330M**	33	0.350	0.65
SDR5818-3R0M	3.00	0.045	2.20	**SDR5818-390M**	39	0.500	0.55
SDR5818-3R9M	3.90	0.055	2.00	**SDR5818-470M**	47	0.550	0.52
SDR5818-5R0M	5.00	0.060	1.6 5	**SDR5818-560M**	56	0.600	0.48
SDR5818-6R2M	6.20	0.080	1.45	**SDR5818-680M**	68	0.850	0.40
SDR5818-7R5M	7.50	0.090	1.35	**SDR5818-820M**	82	0.950	0.38
SDR5818-9R0M	9.00	0.110	1.25	**SDR5818-101M**	100	1.100	0.35
SDR5818-100M	10.0	0.130	1.10	**SDR5818-121M**	120	1.420	0.30
SDR5818-120M	12.0	0.160	1.00	**SDR5818-151M**	150	1.650	0.28
SDR5818-150M	15.0	0.500	0.83	**SDR5818-181M**	180	2.300	0.25
SDR5818-180M	18.0	0.210	0.90	**SDR5818-221M**	220	2.500	0.23

ELECTRICAL CHARACTERISTICS FOR SDR5828

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR5828-2R6M	2.6	0.030	2.70	**SDR5828-330M**	33	0.190	0.78
SDR5828-3R0M	3.0	0.030	2.50	**SDR5828-390M**	39	0.210	0.72
SDR5828-4R2M	4.2	0.035	2.20	**SDR5828-470M**	47	0.250	0.65
SDR5828-5R3M	5.3	0.040	1.90	**SDR5828-560M**	56	0.300	0.60
SDR5828-6R2M	6.2	0.045	1.80	**SDR5828-680M**	68	0.350	0.56
SDR5828-8R2M	8.2	0.075	1.60	**SDR5828-820M**	82	0.430	0.50
SDR5828-100M	10	0.070	1.40	**SDR5828-101M**	100	0.840	0.45
SDR5828-120M	12	0.080	1.25	**SDR5828-151M**	150	0.900	0.35
SDR5828-150M	15	0.100	1.15	**SDR5828-221M**	220	1.250	0.30
SDR5828-180M	18	0.110	1.10	**SDR5828-331M**	330	2.000	0.20
SDR5828-220M	22	0.240	0.80	**SDR5828-681M**	680	4.300	0.14

SHIELDED SMD POWER INDUCTORS / SDR TYPE

ELECTRICAL CHARACTERISTICS FOR SDR6828

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR6822-R90M	0.90	0.014	4.60	**SDR6822-330M**	33.0	0.200	0.78
SDR6822-1R5M	1.50	0.018	4.00	**SDR6822-390M**	39.0	0.250	0.70
SDR6822-2R0M	2.00	0.024	3.20	**SDR6822-470M**	47.0	0.280	0.62
SDR6822-2R7M	2.70	0.032	2.60	**SDR6822-560M**	56.0	0.320	0.56
SDR6822-3R9M	3.90	0.040	2.20	**SDR6822-680M**	68.0	0.360	0.50
SDR6822-5R0M	5.00	0.046	2.00	**SDR6822-820M**	82.0	0.420	0.45
SDR6822-6R2M	6.20	0.054	1.70	**SDR6822-101M**	100.0	0.480	0.40
SDR6822-7R5M	7.50	0.060	1.50	**SDR6822-121M**	120.0	0.600	0.36
SDR6822-100M	10.0	0.070	1.30	**SDR6822-151M**	150.0	0.720	0.32
SDR6822-120M	12.0	0.080	1.15	**SDR6822-181M**	180.0	0.860	0.28
SDR6822-150M	15.0	0.095	1.05	**SDR6822-221M**	220.0	1.100	0.25
SDR6822-180M	18.0	0.100	1.00	**SDR6822-271M**	270.0	1.300	0.22
SDR6822-220M	22.0	0.120	0.95	**SDR6822-331M**	330.0	1.500	0.20
SDR6822-270M	27.0	0.150	0.85	**SDR6822-391M**	390.0	1.800	0.18

ELECTRICAL CHARACTERISTICS FOR SDR6828

Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max	Part No.	Inductance (µH)	DC Resistance (Ω) Max	IDC (A) Max
SDR6828-2R5M	2.50	0.025	3.00	**SDR6828-330M**	33.0	0.155	0.92
SDR6828-3R3M	3.30	0.028	2.60	**SDR6828-470M**	47.0	0.235	0.72
SDR6828-3R9M	3.90	0.032	2.30	**SDR6828-680M**	68.0	0.300	0.60
SDR6828-5R0M	5.00	0.036	2.10	**SDR6828-101M**	100.0	0.500	0.55
SDR6828-6R0M	6.00	0.040	2.00	**SDR6828-151M**	150.0	0.680	0.42
SDR6828-7R3M	7.30	0.052	1.85	**SDR6828-221M**	220.0	0.820	0.36
SDR6828-8R6M	8.60	0.056	1.82	**SDR6828-331M**	330.0	1.400	0.27
SDR6828-100M	10.0	0.065	1.70	**SDR6828-471M**	470.0	2.100	0.22
SDR6828-150M	15.0	0.078	1.30	**SDR6828-681M**	680.0	3.100	0.20
SDR6828-220M	22.0	0.115	1.08				

★ Inductance is measured by LCR-meter 4284A(HP) or equivalent.(AT 100KHz/0.1v)
★ DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
★ Rated current is measured by LCR-meter 3260B(WK) & DC Bias 3265B(WK).
★ Maximu allowable DC current is that which causes a 35% inductance reduction from the initial value, or coil temperature to rise by 40 ℃, whichever is smaller.(Reference ambient temperature 20℃).

SHIELDED SMD POWER INDUCTORS / SDS TYPE

FEATURES

- With magnetic shield against radiation
- SDS 1608 used ceramic base with gold-plating
- Other used LCP plastic base

APPLICATIONS

- Notebook
- Digital camera & scanner
- CD-Rom & DVD DC/DC converter

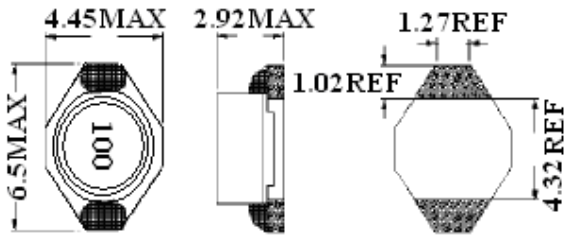
ORDERING CODE

SDS 1608 – 1R0 □

- Tolerance (M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES

SDS1608 TYPE:



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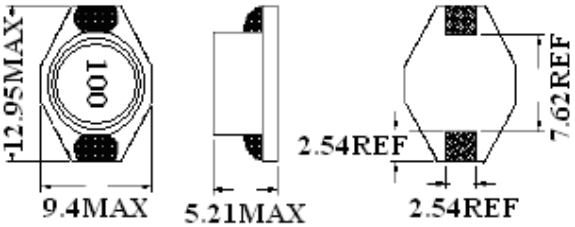
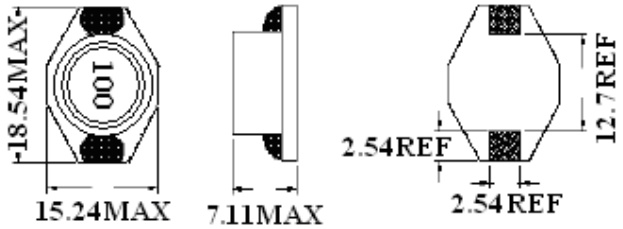


SDS5022 TYPE:



SHIELDED SMD POWER INDUCTORS / SDS TYPE

ELECTRICAL CHARACTERISTICS FOR SDS1608

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDS1608-1R0 □	1.0	0.040	1.800
SDS1608-1R5 □	1.5	0.045	1.700
SDS1608-2R2 □	2.2	0.050	1.200
SDS1608-3R3 □	3.3	0.050	0.900
SDS1608-4R7 □	4.7	0.055	0.700
SDS1608-6R8 □	6.8	0.070	0.500
SDS1608-100 □	10	0.075	0.500
SDS1608-150 □	15	0.090	0.400
SDS1608-220 □	22	0.110	0.380
SDS1608-270 □	27	0.170	0.300
SDS1608-330 □	33	0.190	0.200
SDS1608-470 □	47	0.230	0.180
SDS1608-680 □	68	0.350	0.160
SDS1608-101 □	100	0.380	0.150
SDS1608-151 □	150	0.590	0.130
SDS1608-221 □	220	1.200	0.100
SDS1608-331 □	330	1.400	0.090
SDS1608-391 □	390	2.000	0.090
SDS1608-471 □	470	2.500	0.080
SDS1608-152 □	1500	6.500	0.060
SDS1608-222 □	2200	12.00	0.050
SDS1608-472 □	4700	23.50	0.050
SDS1608-802 □	8000	32.50	0.030
SDS1608-103 □	10000	60.00	0.020

SHIELDED SMD POWER INDUCTORS / SDS TYPE

ELECTRICAL CHARACTERISTICS FOR SDS3316

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDS3316-1R0 □	1.0	0.021	16.00
SDS3316-2R2 □	2.2	0.030	10.50
SDS3316-100 □	10	0.145	5.00
SDS3316-220 □	22	0.200	3.40
SDS3316-330 □	33	0.400	2.60
SDS3316-101 □	100	1.110	1.45
SDS3316-151 □	150	1.550	1.25
SDS3316-221 □	220	2.000	1.00
SDS3316-681 □	680	5.010	0.23

ELECTRICAL CHARACTERISTICS FOR SDS5022

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDS5022-4R7 □	4.7	0.025	12.00
SDS5022-8R2 □	8.2	0.035	9.60
SDS5022-100 □	10	0.040	8.30
SDS5022-150 □	15	0.048	7.50
SDS5022-220 □	22	0.070	5.80
SDS5022-330 □	33	0.085	5.00
SDS5022-470 □	47	0.100	4.00
SDS5022-680 □	68	0.200	3.50
SDS5022-101 □	100	0.200	2.50
SDS5022-151 □	150	0.293	2.00
SDS5022-221 □	220	0.470	1.90
SDS5022-331 □	330	0.780	1.50
SDS5022-471 □	470	1.800	1.30
SDS5022-102 □	1000	1.900	0.87

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

SHIELDED SMD POWER INDUCTORS / SPI TYPE

FEATURES

- With magnetic shield against radiation
- With magnetic shield against radiation
- Compact, low profile with low RDC and large current

APPLICATIONS

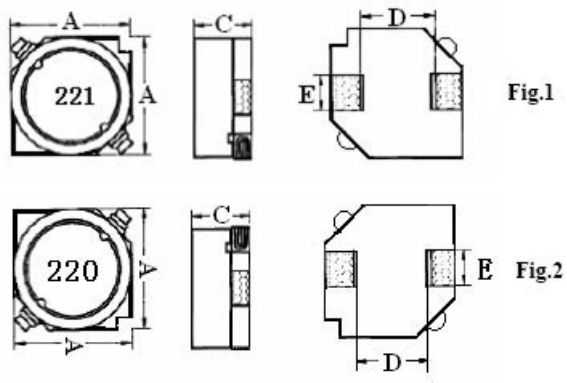
- Portable telephones
- Personal computers
- DC/DC converters and etc.

ORDERING CODE

SPI 0705 1R2 □

- Tolerance (M: ±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	C	D (Ref.)	E (Ref.)
SPI 0603	**2**	6.0 ± 0.2	2.8 ± 0.2	4.0	2.0
SPI 0703	**1**	7.0 ± 0.2	3.2 ± 0.2	4.9	2.0
SPI 0705	**1**	7.0 ± 0.2	4.5 ± 0.3	4.9	2.0
SPI 1005	**1**	10.5 ± 0.5	5.0 (MAX)	6.0	2.0
SPI 1206	**2**	12.5 ± 0.3	5.5 ± 0.35	8.6	2.0
SPI 1207	**2**	12.5 ± 0.3	6.5 ± 0.35	8.6	2.0
SPI 1208	**2**	12.5 ± 0.3	7.5 ± 0.35	8.6	2.0

SHIELDED SMD POWER INDUCTORS / SPI TYPE

ELECTRICAL CHARACTERISTICS FOR SPI0603

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SPI0603-2R7 □	2.7	0.040	2.50
SPI0603-3R3 □	3.3	0.050	2.35
SPI0603-4R7 □	4.7	0.055	1.90
SPI0603-6R8 □	6.8	0.090	1.78
SPI0603-100 □	10	0.150	1.40
SPI0603-150 □	15	0.170	1.35
SPI0603-180 □	18	0.170	1.10
SPI0603-220 □	22	0.250	0.95
SPI0603-330 □	33	0.300	0.80
SPI0603-470 □	47	0.450	0.70
SPI0603-680 □	68	0.500	0.60
SPI0603-101 □	100	1.100	0.40
SPI0603-151 □	150	1.500	0.33

SHIELDED SMD POWER INDUCTORS / SPI TYPE

ELECTRICAL CHARACTERISTICS FOR SPI0703

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SPI0703-2R2 □	2.2	0.030	4.50
SPI0703-3R3 □	3.3	0.035	3.50
SPI0703-4R7 □	4.7	0.040	3.10
SPI0703-6R8 □	6.8	0.060	2.50
SPI0703-100 □	10	0.080	2.10
SPI0703-150 □	15	0.095	1.20
SPI0703-330 □	33	0.160	1.10
SPI0703-470 □	47	0 268	0.96
SPI0703-680 □	68	0.350	0.80
SPI0703-101 □	100	0.450	0.60
SPI0703-151 □	150	1.000	0.50
SPI0703-221 □	220	1.500	0.35
SPI0703-102 □	1000	4.200	0.20

SHIELDED SMD POWER INDUCTORS / SPI TYPE

ELECTRICAL CHARACTERISTICS FOR SPI0705

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SPI0705-1R0 □	1.0	0.023	7.00
SPI0705-3R3 □	3.3	0.026	3.20
SPI0705-4R7 □	4.7	0.030	2.80
SPI0705-6R8 □	6.8	0.036	2.30
SPI0705-100 □	10	0.036	1.78
SPI0705-150 □	15	0.055	1.50
SPI0705-220 □	22	0.100	1.30
SPI0705-330 □	33	0.150	1.28
SPI0705-470 □	47	0.143	0.92
SPI0705-680 □	68	0.190	0.70
SPI0705-820 □	82	0.270	0.70
SPI0705-101 □	100	0.300	0.58
SPI0705-121 □	120	0.350	0.53
SPI0705-221 □	220	0.800	0.40
SPI0705-331 □	330	0.850	0.36
SPI0705-102 □	1000	3.000	0.19

SHIELDED SMD POWER INDUCTORS / SPI TYPE

ELECTRICAL CHARACTERISTICS FOR SPI1005

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SPI1005-3R3 □	3.3	0.018	5.50
SPI1005-4R7 □	4.7	0.020	4.50
SPI1005-5R6 □	5.6	0.030	4.50
SPI1005-6R8 □	6.8	0.035	4.30
SPI1005-100 □	10	0.040	3.20
SPI1005-150 □	15	0.050	3.20
SPI1005-220 □	22	0.059	2.50
SPI1005-330 □	33	0.082	1.70
SPI1005-470 □	47	0.150	1.60
SPI1005-680 □	68	0.190	1.20
SPI1005-101 □	100	0.300	1.10
SPI1005-331 □	330	0.785	0.70
SPI1005-681 □	680	2.500	0.43
SPI1005-152 □	1500	4.000	0.33

SHIELDED SMD POWER INDUCTORS / SPI TYPE

ELECTRICAL CHARACTERISTICS FOR SPI1206

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SPI1206-330 □	33	0.070	2.10
SPI1206-470 □	47	0.090	1.80
SPI1206-560 □	56	0.110	1.50
SPI1206-680 □	68	0.120	1.40
SPI1206-101 □	100	0.150	1.20
SPI1206-681 □	680	1.050	0.40

ELECTRICAL CHARACTERISTICS FOR SPI1207

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SPI1207-330 □	33	0.080	4.00
SPI1207-470 □	47	0.110	3.60
SPI1207-680 □	68	0.185	3.00
SPI1207-681 □	680	0.980	0.70

ELECTRICAL CHARACTERISTICS FOR SPI1208

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SPI1208-150 □	15	0.055	7.0
SPI1208-220 □	22	0.070	5.7
SPI1208-470 □	47	0.125	3.0
SPI1208-101 □	100	0.250	2.7
SPI1208-151 □	150	0.250	1.5

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH以下Test Frequency : 1KHZ/0.25V

SHIELDED SMD POWER INDUCTORS / SRI TYPE

FEATURES

- Excellent solder ability and high heat resistance for flow soldering.
- For large current circuits due to its low DC resistance.
- Excellent in terminal strength due to its high performance ferrite core material and solder ability.

APPLICATIONS

- LCD TV & Notebook
- DC/DC converter
- Power supplies for portable communication equipment

ORDERING CODE

SRI 0603 – 3R3 □

- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES

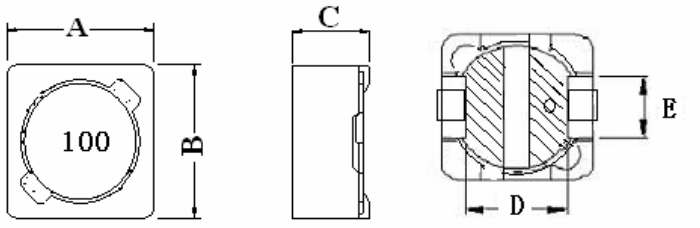


Fig.1

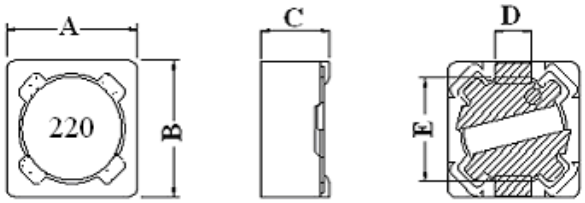


Fig.2

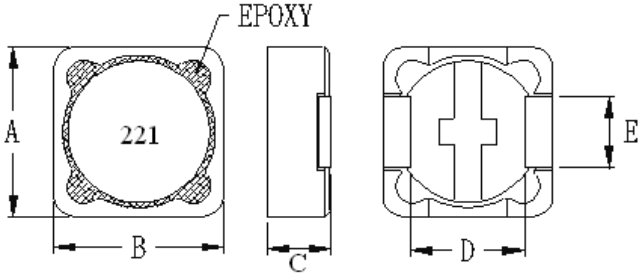


Fig.3

SHIELDED SMD POWER INDUCTORS / SRI TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C (Max)	D (Ref.)	E (Ref.)
SRI 0603	1	6.6 ± 0.3	6.2 ± 0.3	3.0	4.0	2.80
SRI 0605	1	6.6 ± 0.3	6.2 ± 0.3	5.0	4.0	2.80
SRI 0703	2	7.3 ± 0.3	7.3 ± 0.3	3.4	2.0	5.00
SRI 0704	2	7.3 ± 0.3	7.3 ± 0.3	4.5	2.0	5.00
SRI 1004	3	10.0 ± 0.5	10.0 ± 0.5	4.5	6.1	3.86
SRI 1204	3	12.0 ± 0.5	12.0 ± 0.5	5.0	8.0	5.00
SRI 1205	3	12.0 ± 0.5	12.0 ± 0.5	6.0	8.0	5.00
SRI 1207	3	12.0 ± 0.5	12.0 ± 0.5	8.0	8.0	5.00
SRI 1209	3	12.0 ± 0.5	12.0 ± 0.5	10.0	8.0	5.00

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI0603

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0603-1R0 □	1.0	0.030	5.50
SRI0603-1R5 □	1.5	0.040	4.50
SRI0603-2R2 □	2.2	0.050	3.50
SRI0603-3R3 □	3.3	0.050	3.00
SRI0603-4R7 □	4.7	0.060	2.40
SRI0603-5R6 □	5.6	0.072	2.30
SRI0603-6R8 □	6.8	0.095	2.20
SRI0603-100 □	10	0.150	1.90
SRI0603-220 □	22	0.340	1.20
SRI0603-330 □	33	0.450	1.00
SRI0603-470 □	47	0.690	0.85
SRI0603-680 □	68	0.750	0.65
SRI0603-820 □	82	0.770	0.55
SRI0603-101 □	100	1.400	0.50
SRI0603-121 □	120	1.900	0.50
SRI0603-181 □	180	2.770	0.26
SRI0603-471 □	470	4.030	0.26
SRI0603-681 □	680	6.300	0.21
SRI0603-821 □	820	7.400	0.20
SRI0603-102 □	1000	10.500	0.16

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI0605

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0605-1R5 □	1.5	0.030	6.30
SRI0605-2R2 □	2.2	0.048	4.30
SRI0605-6R8 □	6.8	0.080	2.90
SRI0605-100 □	10	0.120	2.00
SRI0605-150 □	15	0.180	1.90
SRI0605-220 □	22	0.270	1.70
SRI0605-270 □	27	0.270	1.50
SRI0605-330 □	33	0.450	1.45
SRI0605-470 □	47	0.520	1.10
SRI0605-680 □	68	0.630	0.95
SRI0605-101 □	100	1.030	0.80
SRI0605-151 □	150	1.100	0.60
SRI0605-471 □	470	3.000	0.35
SRI0605-561 □	560	4.000	0.30
SRI0605-102 □	1000	8.000	0.20

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI0703

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0703-R47 □	0.47	0.018	10.50
SRI0703-1R0 □	1.00	0.020	7.00
SRI0703-1R5 □	1.50	0.020	6.00
SRI0703-2R2 □	2.20	0.030	4.50
SRI0703-3R3 □	3.30	0.030	4.20
SRI0703-4R7 □	4.70	0.065	3.65
SRI0703-6R8 □	6.80	0.065	3.00
SRI0703-100 □	10	0.076	2.30
SRI0703-120 □	12	0.100	2.20
SRI0703-150 □	15	0.130	2.00
SRI0703-180 □	18	0.150	1.80
SRI0703-220 □	22	0.190	1.50
SRI0703-330 □	33	0.280	1.20
SRI0703-390 □	39	0.340	0.90
SRI0703-400 □	40	0.350	0.90
SRI0703-470 □	47	0.450	0.80
SRI0703-560 □	56	0.500	0.70
SRI0703-680 □	68	0.520	0.61
SRI0703-820 □	82	0.690	0.55
SRI0703-101 □	100	0.790	0.50
SRI0703-151 □	150	1.000	0.46
SRI0703-181 □	180	1.100	0.39
SRI0703-221 □	220	1.650	0.38
SRI0703-271 □	270	2.310	0.36
SRI0703-331 □	330	2.620	0.35
SRI0703-471 □	470	4.180	0.32
SRI0703-681 □	680	5.730	0.30
SRI0703-821 □	820	7.000	0.27
SRI0703-102 □	1000	9.660	0.23

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI0704

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0704-1R0 □	1.0	0.015	9.00
SRI0704-1R2 □	1.2	0.025	8.00
SRI0704-1R5 □	1.5	0.030	8.00
SRI0704-1R8 □	1.8	0.032	7.00
SRI0704-2R2 □	2.2	0.035	6.20
SRI0704-2R7 □	2.7	0.040	5.50
SRI0704-3R3 □	3.3	0.045	4.70
SRI0704-4R7 □	4.7	0.047	3.50
SRI0704-6R2 □	6.2	0.050	3.40
SRI0704-6R8 □	6.8	0.050	3.40
SRI0704-7R0 □	7.0	0.052	3.30
SRI0704-7R7 □	7.7	0.053	3.10
SRI0704-100 □	10	0.055	3.00
SRI0704-150 □	15	0.081	2.50
SRI0704-180 □	18	0.100	2.00
SRI0704-220 □	22	0.110	1.95
SRI0704-270 □	27	0.128	1.50
SRI0704-330 □	33	0.250	1.20
SRI0704-390 □	39	0.300	1.10
SRI0704-470 □	47	0.320	1.00
SRI0704-560 □	56	0.350	1.00
SRI0704-680 □	68	0.380	0.90
SRI0704-101 □	100	0.610	0.85
SRI0704-121 □	120	0.650	0.85
SRI0704-151 □	150	0.880	0.75
SRI0704-171 □	170	1.300	0.74
SRI0704-181 □	180	1.350	0.70
SRI0704-221 □	220	1.400	0.62
SRI0704-271 □	270	1.500	0.55
SRI0704-331 □	330	1.500	0.50
SRI0704-391 □	390	1.800	0.48
SRI0704-471 □	470	2.600	0.40
SRI0704-561 □	560	2.700	0.40
SRI0704-681 □	680	3.700	0.38

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI0704

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI0704-821 □	820	4.500	0.32
SRI0704-102 □	1000	5.000	0.22
SRI0704-152 □	1500	5.100	0.22

ELECTRICAL CHARACTERISTICS FOR SRI1004

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1004-3R3 □	3.3	0.035	9.00
SRI1004-4R7 □	4.7	0.035	6.00
SRI1004-7R0 □	7.0	0.042	5.00
SRI1004-100 □	10	0.050	4.80
SRI1004-150 □	15	0.080	4.40
SRI1004-200 □	20	0.090	4.00
SRI1004-220 □	22	0.100	3.30
SRI1004-330 □	33	0.200	3.20
SRI1004-470 □	47	0.230	2.80
SRI1004-680 □	68	0.300	2.30
SRI1004-820 □	82	0.300	2.10
SRI1004-101 □	100	0.400	1.90
SRI1004-121 □	120	0.800	1.40
SRI1004-471 □	470	1.230	0.90
SRI1004-801 □	800	2.500	0.57
SRI1004-222 □	2200	5.700	0.35
SRI1004-472 □	4700	13.200	0.19

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1204

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1204-R18 □	0.18	0.0020	15.00
SRI1204-2R0 □	2.00	0.0120	12.00
SRI1204-2R2 □	2.20	0.0120	11.00
SRI1204-3R0 □	3.00	0.0145	10.00
SRI1204-3R9 □	3.90	0.0200	9.30
SRI1204-4R7 □	4.70	0.0250	8.50
SRI1204-5R6 □	5.60	0.0300	8.00
SRI1204-5R8 □	5.80	0.0300	8.00
SRI1204-6R8 □	6.80	0.0300	6.60
SRI1204-8R2 □	8.20	0.0310	5.00
SRI1204-100 □	10	0.0350	4.50
SRI1204-120 □	12	0.0380	4.20
SRI1204-150 □	15	0.0500	4.00
SRI1204-180 □	18	0.0570	3.70
SRI1204-220 □	22	0.0600	3.50
SRI1204-250 □	25	0.0800	3.50
SRI1204-270 □	27	0.0800	3.30
SRI1204-330 □	33	0.0970	2.70
SRI1204-390 □	39	0.0970	2.50
SRI1204-470 □	47	0.1500	2.10
SRI1204-560 □	56	0.1900	2.10
SRI1204-680 □	68	0.2200	2.00
SRI1204-820 □	82	0.2600	2.00
SRI1204-101 □	100	0.2800	1.70
SRI1204-121 □	120	0.2900	1.60
SRI1204-151 □	150	0.5300	1.30
SRI1204-221 □	220	0.7000	1.20
SRI1204-271 □	270	0.8000	1.10

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1205

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1205-1R0 □	1.0	0.01000	16.00
SRI1205-1R2 □	1.2	0.01800	13.00
SRI1205-1R3 □	1.3	0.01800	12.00
SRI1205-1R5 □	1.5	0.02000	12.00
SRI1205-2R1 □	2.1	0.02000	11.00
SRI1205-2R2 □	2.2	0.02100	10.00
SRI1205-3R1 □	3.1	0.02100	9.00
SRI1205-3R3 □	3.3	0.02100	8.50
SRI1205-4R4 □	4.4	0.02200	8.20
SRI1205-4R7 □	4.7	0.02200	8.00
SRI1205-5R6 □	5.6	0.02300	7.50
SRI1205-5R8 □	5.8	0.02300	7.50
SRI1205-6R8 □	6.8	0.02300	6.50
SRI1205-7R5 □	7.5	0.02400	6.50
SRI1205-8R2 □	8.2	0.02400	6.00
SRI1205-100 □	10	0.02500	5.00
SRI1205-120 □	12	0.02600	4.50
SRI1205-150 □	15	0.03000	4.20
SRI1205-180 □	18	0.03400	4.00
SRI1205-220 □	22	0.05500	4.00
SRI1205-270 □	27	0.05500	3.10
SRI1205-300 □	30	0.05700	3.00
SRI1205-330 □	33	0.05900	2.90
SRI1205-390 □	39	0.06800	2.80
SRI1205-470 □	47	0.07500	2.50
SRI1205-560 □	56	0.11000	2.00
SRI1205-680 □	68	0.12000	1.80
SRI1205-820 □	82	0.18000	1.80
SRI1205-101 □	100	0.20000	1.60
SRI1205-121 □	120	0.22000	1.50
SRI1205-151 □	150	0.23000	1.40
SRI1205-181 □	180	0.29000	1.20
SRI1205-221 □	220	0.40000	1.10
SRI1205-271 □	270	0.46000	1.00
SRI1205-301 □	300	0.47000	1.00
SRI1205-331 □	330	0.51000	0.90
SRI1205-391 □	390	0.53000	0.80
SRI1205-471 □	470	0.77000	0.70
SRI1205-561 □	560	0.80000	0.65

SRI1205-681 □	680	1.20000	0.60

ELECTRICAL CHARACTERISTICS FOR SRI1205

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1205-821 □	820	1.34000	0.43
SRI1205-102 □	1000	1.65000	0.43
SRI1205-162 □	1600	2.30000	0.42
SRI1205-202 □	2000	2.50000	0.35
SRI1205-392 □	3900	6.00000	0.30
SRI1205-682 □	6800	8.90000	0.23
SRI1205-103 □	10000	40.0000	0.05

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1207

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1207-1R2 □	1.2	0.00700	19.00
SRI1207-2R2 □	2.2	0.01200	18.00
SRI1207-2R4 □	2.4	0.01300	17.00
SRI1207-2R9 □	2.9	0.01500	16.00
SRI1207-3R3 □	3.3	0.01500	13.00
SRI1207-3R5 □	3.5	0.01500	13.00
SRI1207-3R9 □	3.9	0.01600	13.00
SRI1207-4R4 □	4.4	0.01600	12.00
SRI1207-4R7 □	4.7	0.01700	12.00
SRI1207-5R0 □	5.0	0.01700	12.00
SRI1207-5R6 □	5.6	0.02000	11.50
SRI1207-6R0 □	6.0	0.02100	11.50
SRI1207-6R1 □	6.1	0.02300	11.50
SRI1207-6R8 □	6.8	0.02400	11.00
SRI1207-7R5 □	7.5	0.02500	9.50
SRI1207-7R6 □	7.6	0.02600	9.50
SRI1207-8R2 □	8.2	0.02600	9.50
SRI1207-100 □	10	0.02600	8.00
SRI1207-120 □	12	0.02700	7.50
SRI1207-150 □	15	0.02700	7.00
SRI1207-180 □	18	0.04000	6.00
SRI1207-220 □	22	0.04320	5.50
SRI1207-270 □	27	0.04600	5.20
SRI1207-330 □	33	0.06500	3.50
SRI1207-390 □	39	0.07300	3.40
SRI1207-470 □	47	0.10000	3.30
SRI1207-560 □	56	0.12000	3.30
SRI1207-680 □	68	0.12000	3.20
SRI1207-820 □	82	0.15001	3.20
SRI1207-101 □	100	0.22000	3.20
SRI1207-121 □	120	0.30000	2.25
SRI1207-151 □	150	0.30000	2.10
SRI1207-181 □	180	0.30000	2.00
SRI1207-191 □	190	0.30000	1.80
SRI1207-221 □	220	0.50000	1.70
SRI1207-271 □	270	0.50000	1.60
SRI1207-331 □	330	0.55000	1.50
SRI1207-391 □	390	0.58000	1.40
SRI1207-471 □	470	0.80000	1.40
SRI1207-561 □	560	0.80000	1.10

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1207

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1207-751 □	750	0.80000	1.00
SRI1207-801 □	800	0.93000	0.95
SRI1207-821 □	820	1.00000	0.90
SRI1207-102 □	1000	1.50000	0.80
SRI1207-142 □	1400	1.78000	0.60
SRI1207-152 □	1500	1.78000	0.60
SRI1207-222 □	2200	2.50000	0.55
SRI1207-252 □	2500	2.70000	0.50
SRI1207-332 □	3300	3.85000	0.47
SRI1207-502 □	5000	7.50000	0.35
SRI1207-103 □	10000	13.50000	0.09
SRI1207-223 □	22000	40.00000	0.08

SHIELDED SMD POWER INDUCTORS / SRI TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1209

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SRI1209-1R0 □	1.0	0.012	20.00
SRI1209-1R7 □	1.7	0.012	20.00
SRI1209-2R2 □	2.2	0.015	20.00
SRI1209-3R1 □	3.1	0.015	17.00
SRI1209-3R3 □	3.3	0.018	16.00
SRI1209-4R7 □	4.7	0.020	15.00
SRI1209-5R0 □	5.0	0.020	14.00
SRI1209-6R8 □	6.8	0.022	12.80
SRI1209-8R2 □	8.2	0.022	11.10
SRI1209-100 □	10	0.030	11.00
SRI1209-120 □	12	0.040	9.50
SRI1209-150 □	15	0.040	7.00
SRI1209-220 □	22	0.040	6.50
SRI1209-330 □	33	0.055	6.00
SRI1209-470 □	47	0.060	5.00
SRI1209-680 □	68	0.100	3.80
SRI1209-820 □	82	0.120	3.50
SRI1209-101 □	100	0.135	3.00
SRI1209-151 □	150	0.180	2.50
SRI1209-181 □	180	0.250	2.35
SRI1209-221 □	220	0.300	2.20
SRI1209-331 □	330	0.350	1.90
SRI1209-471 □	470	0.490	1.50
SRI1209-681 □	680	0.655	1.30
SRI1209-821 □	820	0.700	1.20
SRI1209-102 □	1000	0.830	1.00
SRI1209-122 □	1200	1.200	0.90
SRI1209-152 □	1500	1.400	0.87
SRI1209-202 □	2000	2.000	0.72
SRI1209-222 □	2200	3.000	0.70
SRI1209-252 □	2500	3.000	0.70

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

SMD POWER INDUCTORS / NR TYPE

FEATURES

- Low profile construction and miniature size
- Magnetic shielded construction
- High current saturation
- For new generation portable product D/D converter unit.

APPLICATIONS

- DVC、DSC、PDA， LCD display、Cellular phones, HDD, etc

ORDERING CODE

NR 3010 - 3R3 □

- □ — Tolerance (M:±20%)
- 3R3 — Inductance
- 3010 — Dimension
- NR — Product Symbol

SHAPES

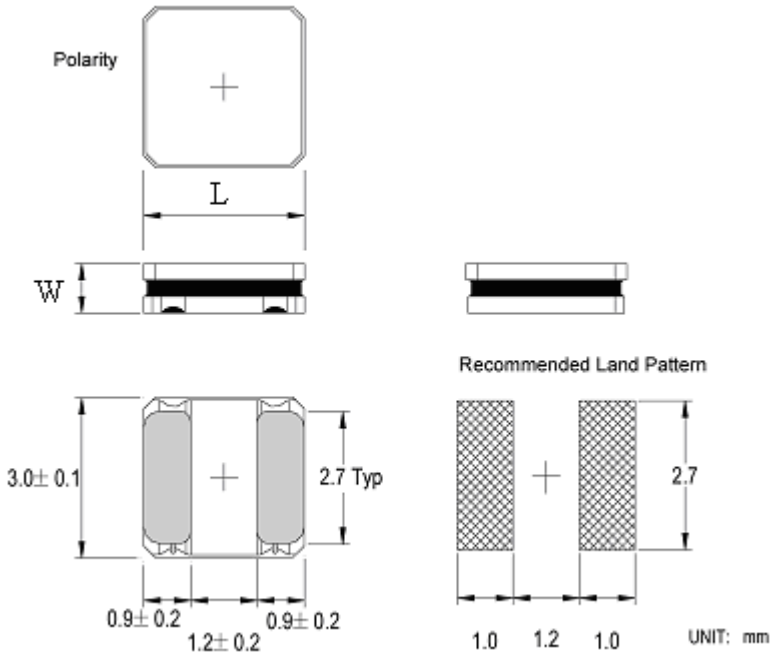


Fig.1

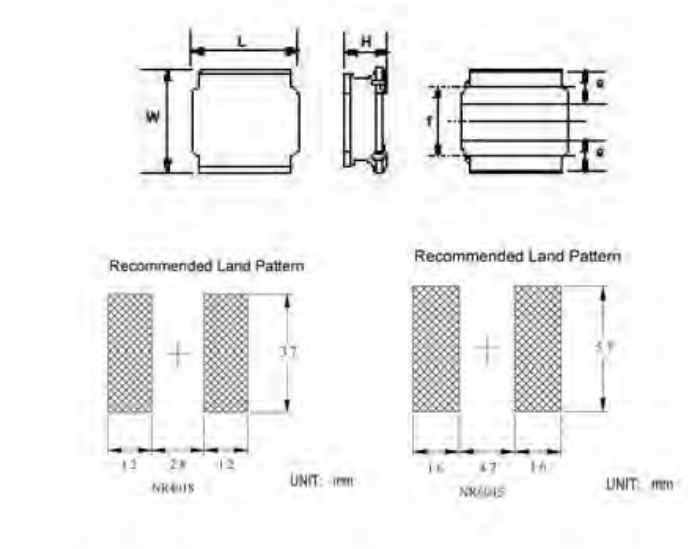


Fig.2

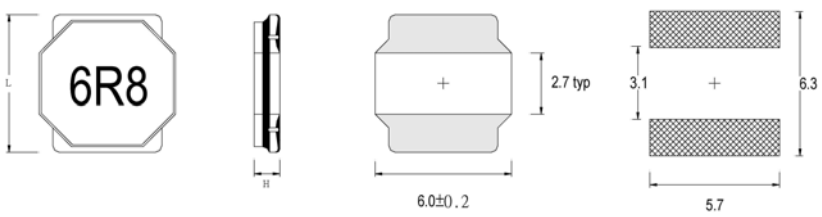


Fig.3

SMD POWER INDUCTORS / NR TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	L	W	H(Max)	e	f
NR3010	**1**	3.0 ± 0.1	1.0 (MAX)	--	--	--
NR3015	**1**	3.0 ± 0.1	1.5 (MAX)	--	--	--
NR4018	**2**	4.0 ± 0.2	4.0 ± 0.2	1.8	1.10 ± 0.2	2.50 ± 0.2
NR5040	**2**	5.0 ± 0.2	5.0 ± 0.2	4.2	1.35 ± 0.2	4.00 ± 0.2
NR6012	**3**	6.0 ± 0.2	--	1.2	--	--
NR6045	**2**	6.0 ± 0.2	6.0 ± 0.2	4.5	1.35 ± 0.2	4.00 ± 0.2

ELECTRICAL CHARACTERISTICS FOR NR3010

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR3010-1R0 □	1.0	0.078	1700
NR3010-1R5 □	1.5	0.096	1400
NR3010-2R2 □	2.2	0.114	1250
NR3010-3R3 □	3.3	0.192	900
NR3010-4R7 □	4.7	0.228	850
NR3010-6R8 □	6.8	0.360	660
NR3010-100 □	10	0.540	530
NR3010-150 □	15	0.888	420
NR3010-220 □	22	1.176	360
NR3010-330 □	33	1.860	280
NR3010-470 □	47	2.400	240

＊Test Frequency : 1MHz
＊Tolerance :M:±20%，N:±30%
＊Operating temperature: -40℃ ~ +85℃

ELECTRICAL CHARACTERISTICS FOR NR3015

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR3015-1R0 □	1.0	0.048	2100
NR3015-1R5 □	1.5	0.066	1800
NR3015-2R2 □	2.2	0.072	1480
NR3015-3R3 □	3.3	0.112	1210
NR3015-4R7 □	4.7	0.136	1008
NR3015-6R8 □	6.8	0.211	900
NR3015-100 □	10	0.276	750
NR3015-150 □	15	0.422	580
NR3015-220 □	22	0.622	470
NR3015-330 □	33	0.959	390
NR3015-470 □	47	1.406	320
NR3015-101 □	100	2.920	230

＊Test Frequency : 1MHz
＊Tolerance :M:±20%
＊Operating temperature: -40℃ ~ +85℃

SMD POWER INDUCTORS / NR TYPE

ELECTRICAL CHARACTERISTICS FOR NR4018

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR4018-1R0 □	1.0	0.030	4000
NR4018-2R2 □	2.2	0.060	2700
NR4018-3R3 □	3.3	0.070	3000
NR4018-4R7 □	4.7	0.090	1700
NR4018-6R8 □	6.8	0.110	1450
NR4018-100 □	10	0.180	1200
NR4018-150 □	15	0.250	940
NR4018-220 □	22	0.360	800
NR4018-330 □	33	0.530	650
NR4018-470 □	47	0.650	570
NR4018-680 □	68	1.000	470
NR4018-101 □	100	1.500	400
NR4018-151 □	150	2.500	310
NR4018-221 □	220	4.000	270

＊Test Frequency : 100KHz
＊Tolerance :M:±20%，N:±30%
＊Operating temperature: -40℃ ~ +85℃

ELECTRICAL CHARACTERISTICS FOR NR5040

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR5040-3R3 □	3.3	0.050	5000

＊Test Frequency : 100KHz
＊Tolerance :M:±20%，N:±30%
＊Operating temperature: -40℃ ~ +85℃

ELECTRICAL CHARACTERISTICS FOR NR6012

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR6012-2R5 □	2.5	0.090	2100
NR6012-4R0 □	4.0	0.105	1800
NR6012-5R8 □	5.3	0.110	1500
NR6012-6R8 □	6.8	0.165	1300
NR6012-100 □	10	0.235	1000
NR6012-150 □	15	0.330	800
NR6012-220 □	22	0.530	760
NR6012-330 □	33	0.700	590
NR6012-390 □	39	0.950	560
NR6012-470 □	47	1.050	520

＊Test Frequency : 100KHz
＊Tolerance :M:±20%，N:±30%
＊Operating temperature: -40℃ ~ +85℃

SMD POWER INDUCTORS / NR TYPE

ELECTRICAL CHARACTERISTICS FOR NR6045

Part No.	Inductance (uH)	RDC (Ω)	IDC (mA)
NR6045-1R0 □	1.0	0.014	8500
NR6045-1R3 □	1.3	0.016	8000
NR6045-1R8 □	1.8	0.018	7000
NR6045-2R2 □	2.2	0.050	6500
NR6045-2R3 □	2.3	0.055	6000
NR6045-3R0 □	3.0	0.060	5000
NR6045-4R5 □	4.5	0.065	4000
NR6045-6R3 □	6.3	0.070	3800
NR6045-100 □	10	0.080	3500
NR6045-150 □	15	0.095	3100
NR6045-220 □	22	0.200	2950
NR6045-330 □	33	0.280	2800
NR6045-470 □	47	0.390	2600
NR6045-680 □	68	0.420	1000
NR6045-101 □	100	0.500	800

＊Test Frequency : 100KHz
＊Tolerance :M:±20%，N:±30%
＊Operating temperature: -40℃ ~ +85℃

SURFACE MOUNT POWER INDUCTORS / SMI TYPE

FEATURES

- 125°C maximum temperature operation
- Ferrite core material
- Metalized core mounting utilizes board space
- Frequency range up to 1MHz

APPLICATIONS

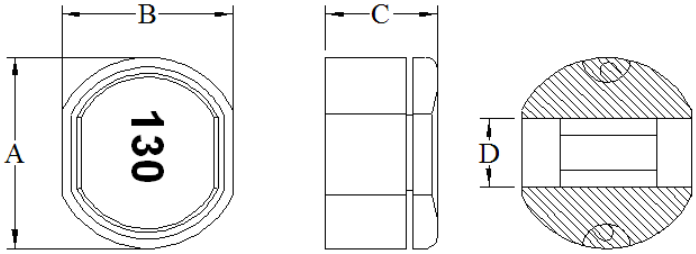
- Buck or Boost Inductor
- Noise filtering and output filter chokes
- Battery Power, DC-DC converters
- Notebook power, PDA's, Hand held computers
- DVD players
- Cellular phones

ORDERING CODE

SMI 0603 – 1R5 □

- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm

Part No.	A	B	C (MAX)	D (REF)
SMI0603	6.2 ± 0.3	5.8 ± 0.3	3.5	1.7
SMI0705	7.8 ± 0.3	7.0 ± 0.3	5.2	2.0
SMI1005	10.0 ± 0.4	9.0 ± 0.4	5.9	2.9

SURFACE MOUNT POWER INDUCTORS / SMI TYPE

ELECTRICAL CHARACTERISTICS FOR SMI 0603

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SMI0603-1R5M	1.5	0.011	5.00
SMI0603-2R2M	2.2	0.016	4.09
SMI0603-3R3M	3.3	0.023	3.46
SMI0603-5R6M	5.6	0.039	2.65
SMI0603-6R8M	6.8	0.053	2.37
SMI0603-8R2M	8.2	0.060	2.14
SMI0603-100M	10	0.065	1.96
SMI0603-150M	15	0.100	1.55
SMI0603-220M	22	0.150	1.29
SMI0603-330M	33	0.230	1.05
SMI0603-470M	47	0.280	0.88
SMI0603-680M	68	0.420	0.74
SMI0603-820M	82	0.460	0.67
SMI0603-101M	100	0.640	0.60

SURFACE MOUNT POWER INDUCTORS / SMI TYPE

ELECTRICAL CHARACTERISTICS FOR SMI 0705

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SMI0705-R82M	0.82	0.0060	8.60
SMI0705-1R5M	1.5	0.0080	6.60
SMI0705-2R2M	2.2	0.0120	5.40
SMI0705-3R3M	3.3	0.0170	4.60
SMI0705-4R7M	4.7	0.0270	3.50
SMI0705-6R8M	6.8	0.0320	3.10
SMI0705-8R2M	8.2	0.0430	2.80
SMI0705-100M	10.0	0.0470	2.60
SMI0705-150M	15.0	0.0730	2.00
SMI0705-220M	22.0	0.1100	1.70
SMI0705-330M	33.0	0.1400	1.40
SMI0705-470M	47.0	0.2100	1.20
SMI0705-680M	68.0	0.3100	0.95
SMI0705-820M	82.0	0.4200	0.87
SMI0705-101M	100.0	0.4700	0.80
SMI0705-151M	150.0	0.7200	0.64
SMI0705-221M	220.0	0.8900	0.54
SMI0705-331M	330.0	1.4000	0.43
SMI0705-471M	470.0	2.0000	0.36

SURFACE MOUNT POWER INDUCTORS / SMI TYPE

ELECTRICAL CHARACTERISTICS FOR SMI 1005

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SMI1005-4R7M	4.7	0.010	5.12
SMI1005-6R8M	6.8	0.015	4.33
SMI1005-100M	10	0.025	3.31
SMI1005-150M	15	0.037	2.68
SMI1005-220M	22	0.057	2.25
SMI1005-330M	33	0.066	1.94
SMI1005-470M	47	0.097	1.61
SMI1005-680M	68	0.150	1.31
SMI1005-101M	100	0.190	1.06
SMI1005-151M	150	0.280	0.89
SMI1005-221M	220	0.430	0.73
SMI1005-331M	330	0.670	0.59
SMI1005-471M	470	0.810	0.50
SMI1005-681M	680	1.230	0.42
SMI1005-102M	1000	1.890	0.34

SURFACE MOUNT POWER INDUCTORS / WDI TYPE

FEATURES

- The series is a range of miniature, surface-mount.
- I-core power inductors.
- Suitable for and reflow soldering.
- Shapes and dimensions follow E.I.A. spec.
- They are designed for use in power applications with restricted PCB space and height.

APPLICATIONS

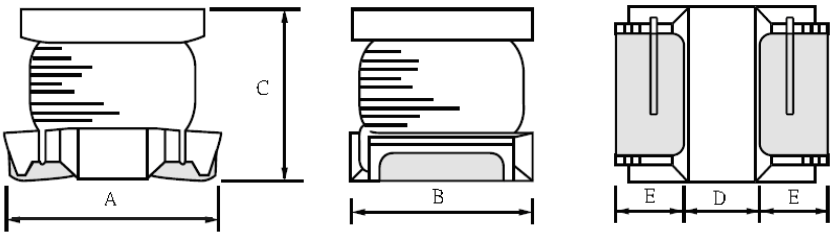
- Mainly used by handheld devices. DC-DC converters
- Digital camera, LCD television set notebook computers.
- Part able communication equipments, etc.

ORDERING CODE

WDI 3225 – 1R0 □

- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm (inch)

Part No.	A	B	C	D	E
WDI 3225 (1210)	3.2 ± 0.3	2.5 ± 0.2	2.0 ± 0.3	0.9 ± 0.3	1.3 ± 0.2
WDI 4532 (1812)	4.5 ± 0.3	3.2 ± 0.3	2.6 ± 0.3	1.0 (MIN)	1.0 (MIN)
WDI 5750 (2220)	5.7 ± 0.3	5.0 ± 0.3	4.7 ± 0.3	1.7 (MIN)	1.3 (MIN)

SURFACE MOUNT POWER INDUCTORS / WDI TYPE

ELECTRICAL CHARACTERISTICS FOR WDI3225

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (Ω) Max	IDC (mA) Max
WDI3225-1R0□	1.0	1MHz	0.5	445
WDI3225-1R5□	1.5	1MHz	0.6	400
WDI3225-2R2□	2.2	1MHz	0.8	370
WDI3225-3R3□	3.3	1MHz	1.0	300
WDI3225-4R7□	4.7	1MHz	1.2	270
WDI3225-6R8□	6.8	1MHz	1.5	240
WDI3225-100□	10	1MHz	1.8	190
WDI3225-150□	15	1MHz	2.2	170
WDI3225-180□	18	1MHz	2.5	165
WDI3225-220□	22	1MHz	2.8	150
WDI3225-270□	27	1MHz	3.1	125
WDI3225-330□	33	1MHz	3.5	115
WDI3225-390□	39	1MHz	3.9	110
WDI3225-470□	47	1MHz	4.3	100
WDI3225-680□	68	1MHz	5.5	80
WDI3225-101□	100	1MHz	7.0	80
WDI3225-121□	120	1MHz	8.0	75
WDI3225-151□	150	1MHz	9.3	70
WDI3225-181□	180	1MHz	10.2	65
WDI3225-221□	220	1MHz	11.8	65
WDI3225-271□	270	1MHz	12.5	65
WDI3225-331□	330	1MHz	13	65
WDI3225-391□	390	1MHz	22	50
WDI3225-471□	470	1KHz	25	45
WDI3225-561□	560	1KHz	28	40

ELECTRICAL CHARACTERISTICS FOR WDI4532

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (Ω) Max	IDC (mA) Max
WDI4532-1R0□	1.0	1MHz	0.20	500
WDI4532-1R5□	1.5	1MHz	0.30	500
WDI4532-2R2□	2.2	1MHz	0.32	500
WDI4532-3R3□	3.3	1MHz	0.35	500
WDI4532-4R7□	4.7	1MHz	0.40	500
WDI4532-6R8□	6.8	1MHz	0.50	450
WDI4532-100□	10	1MHz	0.56	400
WDI4532-150□	15	1MHz	0.73	360
WDI4532-220□	22	1MHz	0.94	320
WDI4532-330□	33	1MHz	1.2	270
WDI4532-470□	47	1MHz	1.5	220
WDI4532-680□	68	1MHz	1.9	180
WDI4532-101□	100	1MHz	2.5	160
WDI4532-151□	150	1MHz	3.7	130
WDI4532-221□	220	1MHz	5.4	110
WDI4532-331□	330	1MHz	8.2	95
WDI4532-471□	470	1KHz	12	80
WDI4532-681□	680	1KHz	17	65
WDI4532-102□	1000	1KHz	25	50
WDI4532-152□	1500	1KHz	37	40

SURFACE MOUNT POWER INDUCTORS / WDI TYPE

ELECTRICAL CHARACTERISTICS FOR WDI5750

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (Ω)Max	IDC (A) Max
WDI 5750-1R0 □	1.0 ± 20%	1MHz	19mΩ	9.00
WDI 5750-1R5 □	1.5 ± 20%	1MHz	22mΩ	7.80
WDI 5750-2R2 □	2.2 ± 20%	1MHz	29mΩ	6.54
WDI 5750-3R3 □	3.3 ± 20%	1MHz	36mΩ	5.48
WDI 5750-4R7 □	4.7 ± 20%	1MHz	41mΩ	4.48
WDI 5750-6R8 □	6.8 ± 20%	1MHz	74mΩ	3.57
WDI 5750-100 □	10 ± 20%	1MHz	93mΩ	3.06
WDI 5750-150 □	15 ± 20%	1MHz	150mΩ	2.63
WDI 5750-220 □	22 ± 20%	1MHz	190mΩ	2.21
WDI 5750-330 □	33 ± 20%	1MHz	320mΩ	1.78
WDI 5750-470 □	47 ± 20%	1MHz	400mΩ	1.50
WDI 5750-680 □	68 ± 20%	1MHz	670mΩ	1.30
WDI 5750-101 □	100 ± 10%	100KHz	860mΩ	1.05
WDI 5750-151 □	150 ± 10%	100KHz	1.9	0.94
WDI 5750-221 □	220 ± 10%	100KHz	2.4	0.72
WDI 5750-331 □	330 ± 10%	100KHz	4.4	0.60
WDI 5750-471 □	470 ± 10%	100KHz	5.4	0.50
WDI 5750-681 □	680 ± 10%	100KHz	8.1	0.40
WDI 5750-102 □	100 ± 10%	100KHz	10.3	0.30
WDI 5750-222 □	2200 ± 10%	100KHz	21.5	0.20
WDI 5750-472 □	4700 ± 10%	100KHz	43.6	0.10

Notes:
1) Test Equipment : HP4284A or WK3260B LCR Meter.
2) DCR limits @ 20°C.Test Equipment: CH502BC.
3) Tolerance : M=±20%, K=±10%

UNSHIELDED POWER INDUCTORS / TPY TYPE

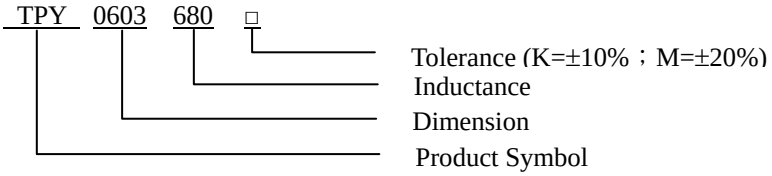
FEATURES

- Surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.

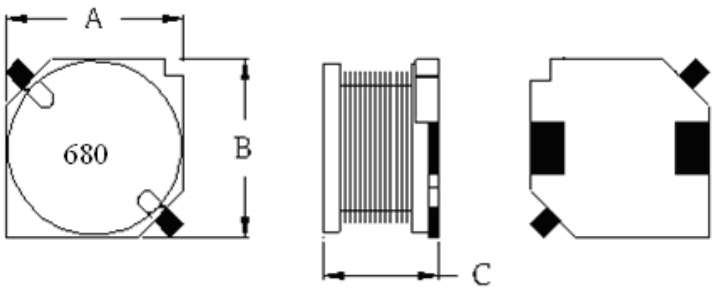
APPLICATIONS

Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

ORDERING CODE



SHAPES



DIMENSIONS (UNIT:mm)

Part No.	A (Max)	B (Max)	C (Max)
TPY0603	6.0 ± 0.2	6.0 ± 0.2	3.0 ± 0.2
TPY0604	6.0 ± 0.3	6.0 ± 0.3	3.9 ± 0.3
TPY0605	6.0 ± 0.3	6.0 ± 0.3	4.9 ± 0.3
TPY0703	7.0 ± 0.3	7.0 ± 0.3	3.0 ± 0.3
TPY0705	7.0 ± 0.3	7.0 ± 0.3	4.6 ± 0.3
TPY1003	10.0 ± 0.3	10.0 ± 0.3	3.0 ± 0.3
TPY1004	10.0 ± 0.3	10.0 ± 0.3	4.6 ± 0.3

UNSHIELDED POWER INDUCTORS / TPY TYPE

ELECTRICAL CHARACTERISTICS FOR TPY0603 / TPY0604

Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX	Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX
TPY0603-1R2M	1.2 ± 20%	0.025	2.80	**TPY0604-1R2M**	1.2 ± 20%	0.025	3.00
TPY0603-1R5M	1.5 ± 20%	0.028	2.60	**TPY0604-1R8M**	1.8 ± 20%	0.030	2.85
TPY0603-2R2M	2.2 ± 20%	0.030	2.30	**TPY0604-2R2M**	2.2 ± 20%	0.035	2.65
TPY0603-3R3M	3.3 ± 20%	0.055	2.00	**TPY0604-3R3M**	3.3 ± 20%	0.040	2.35
TPY0603-4R7M	4.7 ± 20%	0.065	1.850	**TPY0604-4R7M**	4.7 ± 20%	0.045	2.15
TPY0603-6R8M	6.8 ± 20%	0.090	1.65	**TPY0604-6R8M**	6.8 ± 20%	0.060	1.85
TPY0603-100M	10.0 ± 20%	0.115	1.45	**TPY0604-100M**	10 ± 20%	0.085	1.60
TPY0603-120M	12 ± 20%	0.150	1.20	**TPY0604-120M**	12 ± 20%	0.090	1.50
TPY0603-150M	15 ± 20%	0.180	1.15	**TPY0604-150M**	15 ± 20%	0.106	1.447
TPY0603-180M	18 ± 20%	0.230	1.05	**TPY0604-180M**	18 ± 20%	0.120	1.30
TPY0603-220M	22 ± 20%	0.250	1.00	**TPY0604-220M**	22 ± 20%	0.160	1.25
TPY0603-270M	27 ± 20%	0.350	0.95	**TPY0604-270M**	27 ± 20%	0.190	1.10
TPY0603-330K	33 ± 10%	0.380	0.90	**TPY0604-330K**	33 ± 10%	0.280	1.00
TPY0603-390K	39 ± 10%	0.410	0.80	**TPY0604-390K**	39 ± 10%	0.300	0.90
TPY0603-470K	47 ± 10%	0.430	0.75	**TPY0604-470K**	47 ± 10%	0.330	0.85
TPY0603-560K	56 ± 10%	0.620	0.70	**TPY0604-560K**	56 ± 10%	0.410	0.80
TPY0603-680K	68 ± 10%	0.710	0.60	**TPY0604-680K**	68 ± 10%	0.450	0.70
TPY0603-820K	82 ± 10%	0.730	0.50	**TPY0604-820K**	82 ± 10%	0.600	0.60
TPY0603-101K	100 ± 10%	1.050	0.48	**TPY0604-101K**	100 ± 10%	0.660	0.50
TPY0603-121K	120 ±10%	1.180	0.45	**TPY0604-121K**	120 ± 10%	0.720	0.50
TPY0603-151K	150 ± 10%	1.800	0.40	**TPY0604-151K**	150 ± 10%	1.050	0.45
TPY0603-181K	180 ± 10%	1.950	0.35	**TPY0604-181K**	180 ± 10%	1.150	0.40
TPY0603-221K	220 ± 10%	2.960	0.30	**TPY0604-221K**	220 ± 10%	1.250	0.35
TPY0603-271K	270 ± 10%	3.450	0.28	**TPY0604-271K**	270 ± 10%	1.800	0.30
TPY0603-331K	330 ± 10%	3.800	0.26	**TPY0604-331K**	330 ± 10%	1.950	0.28
TPY0603-391K	390 ± 10%	4.000	0.24	**TPY0604-391K**	390 ± 10%	2.780	0.25
TPY0603-471K	470 ± 10%	4.400	0.220	**TPY0604-471K**	470 ± 10%	2.980	0.23
TPY0603-561K	560 ± 10%	6.200	0.20	**TPY0604-561K**	560 ± 10%	3.300	0.21
TPY0603-681K	680 ± 10%	6.800	0.18	**TPY0604-681K**	680 ± 10%	5.100	0.20
TPY0603-821K	820 ± 10%	12.000	0.16	**TPY0604-821K**	820 ± 10%	5.400	0.18
TPY0603-102K	1000 ± 10%	13.500	0.14	**TPY0604-102K**	1000 ± 10%	6.000	0.16

UNSHIELDED POWER INDUCTORS / TPY TYPE

ELECTRICAL CHARACTERISTICS FOR TPY0605 / TPY0703

Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX	Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX
TPY0605-1R2M	1.2 ± 20%	0.028	3.50	**TPY0703-1R5M**	1.5 ± 20%	0.025	2.80
TPY0605-1R5M	1.8 ± 20%	0.030	3.00	**TPY0703-2R2M**	2.2 ± 20%	0.035	2.50
TPY0605-2R2M	2.2 ± 20%	0.035	2.70	**TPY0703-3R3M**	3.3 ± 20%	0.040	2.20
TPY0605-3R3M	3.3 ± 20%	0.042	2.50	**TPY0703-4R7M**	4.7 ± 20%	0.045	2.00
TPY0605-4R7M	4.7 ± 20%	0.050	2.20	**TPY0703-6R8M**	6.8 ± 20%	0.060	1.60
TPY0605-6R8M	6.8 ± 20%	0.060	2.00	**TPY0703-100M**	10 ± 20%	0.080	1.40
TPY0605-100M	10 ± 20%	0.070	1.80	**TPY0703-120M**	12 ± 20%	0.085	1.30
TPY0605-120M	12 ± 20%	0.080	1.60	**TPY0703-150L**	15 ± 15%	0.130	1.100
TPY0605-150M	15 ± 20%	0.090	1.50	**TPY0703-180L**	18 ± 15%	0.130	1.05
TPY0605-180M	18 ± 20%	0.095	1.30	**TPY0703-220L**	22 ± 15%	0.150	1.00
TPY0605-220M	22 ± 20%	0.110	1.20	**TPY0703-270L**	27 ± 15%	0.190	0.95
TPY0605-270M	27 ± 20%	0.130	1.10	**TPY0703-330L**	33 ± 15%	0.210	0.85
TPY0605-330K	33 ± 10%	0.180	1.00	**TPY0703-390L**	39 ± 15%	0.270	0.75
TPY0605-390K	39 ± 10%	0.2041	0.868	**TPY0703-470L**	47 ± 15%	0.310	0.70
TPY0605-470K	47 ± 10%	0.2297	0.794	**TPY0703-560K**	56 ± 10%	0.390	0.65
TPY0605-560K	56 ± 10%	0.3031	0.731	**TPY0703-680K**	68 ± 10%	0.430	0.60
TPY0605-650K	65 ± 10%	0.3416	0.665	**TPY0703-820K**	82 ± 10%	0.490	0.50
TPY0605-680K	68 ± 10%	0.3416	0.665	**TPY0703-101K**	100 ± 10%	0.650	0.45
TPY0605-820K	82 ± 10%	0.4534	0.600	**TPY0703-121K**	120 ± 10%	0.700	0.40
TPY0605-101K	100 ± 10%	0.430	0.55	**TPY0703-151K**	150 ± 10%	0.850	0.35
TPY0605-121K	120 ± 10%	0.500	0.50	**TPY0703-181K**	180 ± 10%	1.100	0.33
TPY0605-151K	150 ± 10%	0.620	0.45	**TPY0703-221K**	220 ± 10%	1.250	0.30
TPY0605-181K	180 ± 10%	0.690	0.40	**TPY0703-271K**	270 ± 10%	1.450	0.28
TPY0605-221K	220 ± 10%	0.890	0.38	**TPY0703-331K**	330 ± 10%	2.000	0.25
TPY0605-271K	270 ± 10%	1.000	0.35	**TPY0703-391K**	390 ± 10%	2.250	0.23
TPY0605-331K	330 ± 10%	1.400	0.32	**TPY0703-471K**	470 ± 10%	2.600	0.22
TPY0605-391K	390 ± 10%	1.500	0.30	**TPY0703-561K**	560 ± 10%	3.700	0.20
TPY0605-471K	470 ± 10%	2.000	0.28	**TPY0703-681K**	680 ± 10%	4.300	0.18
TPY0605-561K	560 ± 10%	2.300	0.25	**TPY0703-821K**	820 ± 10%	4.900	0.16
TPY0605-681K	680 ± 10%	3.200	0.20	**TPY0703-102K**	1000 ± 10%	5.600	0.15
TPY0605-821K	820 ± 10%	3.500	0.18	**TPY0705-1R0M**	1.0 ± 20%	0.023	3.50
TPY0605-102K	1000 ± 10%	4.100	0.16	**TPY0705-1R5M**	1.5 ± 20%	0.028	3.20
TPY0703-1R0M	1.0 ± 20%	0.020	3.20	**TPY0705-2R2M**	2.2 ± 20%	0.033	3.30

UNSHIELDED POWER INDUCTORS / TPY TYPE

ELECTRICAL CHARACTERISTICS FOR TPY0705 / TPY1003

Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX	Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX
TPY0705-3R3M	3.3 ± 20%	0.040	2.70	**TPY1003-1R8M**	1.8 ± 20%	0.027	4.00
TPY0705-4R7M	4.7 ± 20%	0.050	2.50	**TPY1003-2R7M**	2.7 ± 20%	0.030	3.65
TPY0705-6R8M	6.8 ± 20%	0.060	2.20	**TPY1003-3R9M**	3.9 ± 20%	0.035	3.15
TPY0705-100M	10 ± 20%	0.075	2.00	**TPY1003-4R7M**	4.7 ± 20%	0.040	3.00
TPY0705-120M	12 ± 20%	0.085	1.90	**TPY1003-6R8M**	6.8 ± 20%	0.050	2.35
TPY0705-150L	15 ± 15%	0.090	1.50	**TPY1003-100M**	10 ± 20%	0.060	2.20
TPY0705-180L	18 ± 15%	0.100	1.40	**TPY1003-120M**	12 ± 20%	0.080	2.00
TPY0705-220L	22 ± 15%	0.120	1.30	**TPY1003-150M**	15 ± 20%	0.100	1.75
TPY0705-270L	27 ± 15%	0.150	1.20	**TPY1003-180L**	18 ± 15%	0.110	1.70
TPY0705-330L	33 ± 15%	0.180	1.10	**TPY1003-220L**	22 ± 15%	0.140	1.60
TPY0705-390L	39 ± 15%	0.190	1.00	**TPY1003-270L**	27 ± 15%	0.160	1.40
TPY0705-470L	47 ± 15%	0.220	0.90	**TPY1003-330L**	33 ± 15%	0.210	1.20
TPY0705-560K	56 ± 10%	0.250	0.85	**TPY1003-390L**	39 ± 15%	0.235	1.10
TPY0705-680K	68 ± 10%	0.270	0.80	**TPY1003-470L**	47 ± 15%	0.280	1.00
TPY0705-820K	82 ± 10%	0.380	0.70	**TPY1003-560L**	56 ± 15%	0.320	0.90
TPY0705-101K	100 ± 10%	0.420	0.65	**TPY1003-680L**	68 ± 15%	0.370	0.85
TPY0705-121K	120 ± 10%	0.520	0.60	**TPY1003-820L**	82 ± 15%	0.430	0.74
TPY0705-151K	150 ± 10%	0.580	0.50	**TPY1003-101K**	100 ± 10%	0.560	0.70
TPY0705-181K	180 ± 10%	0.650	0.45	**TPY1003-121K**	120 ± 10%	0.640	0.60
TPY0705-221K	220 ± 10%	0.880	0.40	**TPY1003-151K**	150 ± 10%	0.730	0.55
TPY0705-271K	270 ± 10%	0.990	0.35	**TPY1003-181K**	180 ± 10%	0.960	0.50
TPY0705-331K	330 ± 10%	1.100	0.32	**TPY1003-221K**	220 ± 10%	1.100	0.48
TPY0705-391K	390 ± 10%	1.400	0.30	**TPY1003-271K**	270 ± 10%	1.240	0.45
TPY0705-471K	470 ± 10%	2.600	0.28	**TPY1003-331K**	330 ± 10%	1.640	0.38
TPY0705-561K	560 ± 10%	2.200	0.25	**TPY1003-391K**	390 ± 10%	1.790	0.35
TPY0705-681K	680 ± 10%	2.500	0.22	**TPY1003-471K**	470 ± 10%	2.050	0.30
TPY0705-821K	820 ± 10%	2.900	0.20	**TPY1003-561K**	560 ± 10%	2.890	0.29
TPY0705-102K	1000 ± 10%	4.000	0.18	**TPY1003-681K**	680 ± 10%	3.240	0.27
				TPY1003-821K	820 ± 10%	3.700	0.25
				TPY1003-102K	1000 ± 10%	7.000	0.24

UNSHIELDED POWER INDUCTORS / TPY TYPE

ELECTRICAL CHARACTERISTICS FOR TPY1004

Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX	Part No.	Inductance (uH)	RDC (Ω) MAX	IDC (A) MAX
TPY1004-1R8M	1.8 ± 20%	0.023	5.50	**TPY1004-680L**	68 ± 15%	0.210	1.40
TPY1004-2R7M	2.7 ± 20%	0.025	5.00	**TPY1004-820L**	82 ± 15%	0.240	1.30
TPY1004-3R9M	3.9 ± 20%	0.030	4.50	**TPY1004-101K**	100 ± 10%	0.290	1.20
TPY1004-4R7M	4.7 ± 20%	0.035	4.00	**TPY1004-121K**	120 ± 10%	0.340	1.10
TPY1004-6R8M	6.8 ± 20%	0.040	3.80	**TPY1004-151K**	150 ± 10%	0.470	1.00
TPY1004-100M	10 ± 20%	0.050	3.30	**TPY1004-181K**	180 ± 10%	0.530	0.90
TPY1004-120M	12 ± 20%	0.055	3.20	**TPY1004-221K**	220 ± 10%	0.730	0.80
TPY1004-150M	15 ± 20%	0.065	3.00	**TPY1004-271K**	270 ± 10%	0.830	0.70
TPY1004-180L	18 ± 15%	0.070	2.70	**TPY1004-331K**	330 ± 10%	0.990	0.65
TPY1004-220L	22 ± 15%	0.080	2.64	**TPY1004-391K**	390 ± 10%	1.100	0.60
TPY1004-270L	27 ± 15%	0.090	2.40	**TPY1004-471K**	470 ± 10%	1.250	0.55
TPY1004-330L	33 ± 15%	0.110	2.00	**TPY1004-561K**	560 ± 10%	1.600	0.50
TPY1004-390L	39 ± 15%	0.120	1.90	**TPY1004-681K**	680 ± 10%	1.800	0.45
TPY1004-470L	47 ± 15%	0.130	1.80	**TPY1004-821K**	820 ± 10%	2.060	0.40
TPY1004-560L	56 ± 15%	0.180	1.60	**TPY1004-102K**	1000 ± 10%	2.800	0.38

UNSHIELDED SMD HIGH CURRENT POWER INDUCTORS / BS TYPE

FEATURES

- Miniature surface mount design.
- High power, High saturation inductors.
- Very low resistance.
- Ideal inductors for DC-DC conversion.

APPLICATIONS

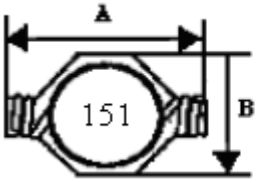
- Notebook
- PDA Step-up and step-down converters
- Power supply for VTRs.
- LCD televisions.

ORDERING CODE

BS 1813 - 470 □

- □ : Tolerance (M: ±20%)
- 470 : Inductance
- 1813 : Dimension
- BS : Product Symbol

SHAPES



DIMENSIONS: (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)
BS 1813	8.89	6.10	5.08
BS 3308	13.21	9.91	3.50
BS 3316	13.21	9.91	6.35
BS 3340	13.21	9.91	12.43
BS 5022	22.35	16.26	7.87

UNSHIELDED SMD HIGH CURRENT POWER INDUCTORS / BS TYPE

ELECTRICAL CHARACTERISTICS FOR BS1813

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS1813-R18 □	0.18	0.010	20.00
BS1813-R33 □	0.33	0.010	20.00
BS1813-R47 □	0.47	0.010	20.00
BS1813-R56 □	0.56	0.010	20.00
BS1813-R60 □	0.60	0.014	20.00
BS1813-1R0 □	1.00	0.020	18.00
BS1813-1R2 □	1.20	0.020	16.00
BS1813-1R6 □	1.60	0.021	14.00
BS1813-2R2 □	2.20	0.030	12.40
BS1813-3R3 □	3.30	0.040	9.00
BS1813-6R8 □	6.80	0.090	6.00
BS1813-100 □	10	0.110	5.60
BS1813-150 □	15	0.200	4.00
BS1813-220 □	22	0.250	3.75
BS1813-330 □	33	0.300	3.00
BS1813-470 □	47	0.470	2.40
BS1813-101 □	100	1.110	1.30
BS1813-181 □	180	2.000	1.00
BS1813-331 □	330	3.500	0.55

ELECTRICAL CHARACTERISTICS FOR BS3308

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS3308-220 □	22	0.180	2.00
BS3308-330 □	33	0.300	1.65
BS3308-101 □	100	0.840	1.00
BS3308-221 □	220	1.200	0.65
BS3308-102 □	1000	5.200	0.20

UNSHIELDED SMD HIGH CURRENT POWER INDUCTORS / BS TYPE

ELECTRICAL CHARACTERISTICS FOR BS3316

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS3316-R33 □	0.33	0.005	20.0
BS3316-R68 □	0.68	0.020	20.0
BS3316-1R0 □	1.00	0.020	15.0
BS3316-1R5 □	1.50	0.020	13.0
BS3316-2R2 □	2.20	0.030	11.5
BS3316-3R3 □	3.30	0.035	9.0
BS3316-4R7 □	4.70	0.040	8.0
BS3316-6R8 □	6.80	0.045	6.4
BS3316-100 □	10	0.050	5.6
BS3316-150 □	15	0.060	4.3
BS3316-330 □	33	0.120	3.0
BS3316-470 □	47	0.170	2.5
BS3316-680 □	68	0.220	2.0
BS3316-101 □	100	0.280	1.5
BS3316-151 □	150	0.400	1.4
BS3316-221 □	220	0.610	0.9
BS3316-331 □	330	1.100	0.8
BS3316-471 □	470	1.800	0.8
BS3316-681 □	680	1.900	0.4
BS3316-102 □	1000	3.200	0.3
BS3316-152 □	1500	5.000	0.1

UNSHIELDED SMD HIGH CURRENT POWER INDUCTORS / BS TYPE

ELECTRICAL CHARACTERISTICS FOR BS3340

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS3340-3R3 □	3.3	0.010	12.0
BS3340-150 □	15	0.050	10.0
BS3340-220 □	22	0.066	8.2
BS3340-330 □	33	0.080	7.0
BS3340-470 □	47	0.100	6.0
BS3340-560 □	56	0.150	5.5
BS3340-680 □	68	0.170	5.1
BS3340-101 □	100	0.220	4.0
BS3340-151 □	150	0.340	1.0
BS3340-221 □	220	0.420	0.8
BS3340-331 □	330	0.590	0.7
BS3340-471 □	470	0.950	0.6
BS3340-102 □	1000	1.600	0.4

UNSHIELDED SMD HIGH CURRENT POWER INDUCTORS / BS TYPE

ELECTRICAL CHARACTERISTICS FOR BS5022

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS5022-R78 □	0.78	0.004	30.0
BS5022-1R5 □	1.50	0.010	20.0
BS5022-2R2 □	2.20	0.016	20.0
BS5022-3R3 □	3.30	0.018	20.0
BS5022-4R7 □	4.70	0.025	20.0
BS5022-100 □	10	0.030	14.5
BS5022-120 □	12	0.033	13.6
BS5022-150 □	15	0.036	12.0
BS5022-470 □	47	0.087	7.0
BS5022-680 □	68	0.122	6.0
BS5022-151 □	150	0.250	4.0
BS5022-221 □	220	0.330	3.5
BS5022-331 □	330	0.490	2.5

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

UNSHIELDED SMD POWER INDUCTORS / CDS TYPE

FEATURES

- Designed for the smallest possible size and high performance
- They are with high energy storage and very low resistance making them the ideal inductors for DC-DC conversion in the following applications
- CDS1704, and CDS2506 used ceramic base with gold-plating

APPLICATIONS

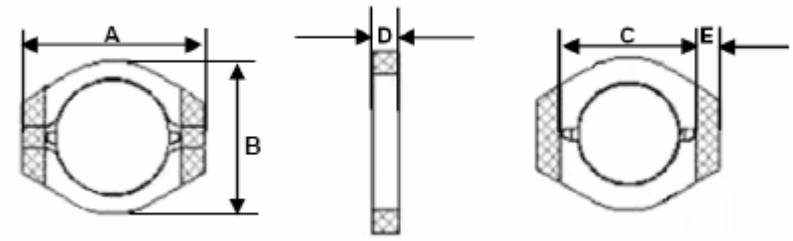
- Notebook
- Digital camera & scanner
- CD-Rom & DVD DC/DC converter

ORDERING CODE

CDS 1704 -1R0 □

- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A(Max)	B(Max)	C(Max)	D(Max)	E(Ref.)
CDS 1704	6.60	5.50	4.90	1.15	0.75
CDS 2506	9.14	7.87	7.40	1.65	0.87

UNSHIELDED SMD POWER INDUCTORS / CDS TYPE

ELECTRICAL CHARACTERISTICS FOR CDS1704

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
CDS1704-1R2 □	1.2	0.080	2.10
CDS1704-1R5 □	1.5	0.100	1.90
CDS1704-2R2 □	2.2	0.120	1.60
CDS1704-3R3 □	3.3	0.160	1.30
CDS1704-4R7 □	4.7	0.200	1.10
CDS1704-6R8 □	6.8	0.320	0.90
CDS1704-100 □	10	0.368	0.90
CDS1704-150 □	15	0.550	0.65
CDS1704-220 □	22	0.850	0.50
CDS1704-330 □	33	1.300	0.40
CDS1704-470 □	47	1.800	0.35
CDS1704-680 □	68	2.500	0.30
CDS1704-101 □	100	3.500	0.25
CDS1704-151 □	150	5.000	0.18
CDS1704-221 □	220	7.000	0.16
CDS1704-331 □	330	15.000	0.13

UNSHIELDED SMD POWER INDUCTORS / CDS TYPE

ELECTRICAL CHARACTERISTICS FOR CDS2506

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
CDS2506-4R7 □	4.7	0.145	1.60
CDS2506-6R8 □	6.8	0.150	1.45
CDS2506-100 □	10	0.240	1.00
CDS2506-150 □	15	0.300	0.90
CDS2506-220 □	22	0.400	0.80
CDS2506-330 □	33	0.550	0.60
CDS2506-470 □	47	0.765	0.50
CDS2506-680 □	68	1.100	0.40
CDS2506-101 □	100	1.600	0.30
CDS2506-151 □	150	2.500	0.25
CDS2506-221 □	220	3.650	0.22
CDS2506-331 □	330	4.650	0.18
CDS2506-471 □	470	6.750	0.14
CDS2506-681 □	680	9.150	0.12
CDS2506-102 □	1000	14.20	0.10

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

FEATURES

- Designed for the smallest possible size and high performance
- They are with high energy storage and very low resistance making them the ideal inductors for DC-DC conversion in the following applications
- DS 1608 used ceramic base with gold-plating
- Others used LCP plastic base

APPLICATIONS

- Notebook
- Digital camera & scanner
- CD-Rom & DVD DC/DC converter

ORDERING CODE

DS 1608 - 1R0 □

- □ — Tolerance (K:±10%, M:±20%)
- 1R0 — Inductance
- 1608 — Dimension
- DS — Product Symbol

SHAPES

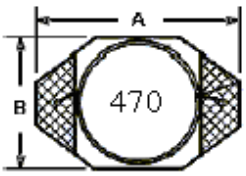


Fig.1

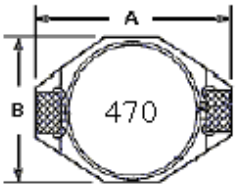


Fig.2

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A(Max)	B(Max)	C(Max)	D(Max)
DS 1608	**1**	6.60	4.45	3.94	2.92
DS 3308	**2**	12.95	9.40	8.38	3.00
DS 3316	**2**	12.95	9.40	8.38	5.21
DS 3340	**2**	12.95	9.40	8.38	11.43
DS 5022	**2**	18.51	15.24	12.70	7.11

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

ELECTRICAL CHARACTERISTICS FOR DS1608

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS1608-1R0 □	1.0	0.063	5.000
DS1608-1R5 □	1.5	0.065	4.500
DS1608-2R0 □	2.0	0.070	4.300
DS1608-2R2 □	2.2	0.070	3.900
DS1608-2R4 □	2.4	0.073	3.800
DS1608-3R3 □	3.3	0.080	3.000
DS1608-4R7 □	4.7	0.100	2.500
DS1608-6R8 □	6.8	0.138	2.200
DS1608-8R2 □	8.2	0.149	2.000
DS1608-8R8 □	8.8	0.150	2.000
DS1608-100 □	10	0.160	1.700
DS1608-150 □	15	0.230	1.400
DS1608-200 □	20	0.300	1.200
DS1608-220 □	22	0.400	1.100
DS1608-270 □	27	0.400	1.050
DS1608-330 □	33	0.510	0.900
DS1608-400 □	40	0.580	0.800
DS1608-470 □	47	0.750	0.700
DS1608-680 □	68	0.800	0.650
DS1608-101 □	100	1.270	0.550
DS1608-181 □	180	2.500	0.400
DS1608-221 □	220	3.100	0.300
DS1608-331 □	330	4.200	0.200
DS1608-471 □	470	9.580	0.150
DS1608-681 □	680	9.600	0.130
DS1608-102 □	1000	12.00	0.100
DS1608-332 □	3300	45.000	0.020
DS1608-352 □	3500	46.000	0.017

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

ELECTRICAL CHARACTERISTICS FOR DS3308

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS3308-4R7 □	4.7	0.06	4.40
DS3308-6R8 □	6.8	0.07	3.70
DS3308-100 □	10	0.08	2.65
DS3308-150 □	15	0.15	2.30
DS3308-220 □	22	0.18	2.00
DS3308-330 □	33	0.30	1.60
DS3308-680 □	68	0.66	1.10
DS3308-101 □	100	0.84	0.90
DS3308-151 □	150	1.20	0.83
DS3308-221 □	220	1.90	0.65
DS3308-681 □	680	3.05	0.30
DS3308-102 □	1000	5.20	0.20

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

ELECTRICAL CHARACTERISTICS FOR DS3316

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS3316-1R0 □	1.0	0.006	15.00
DS3316-1R5 □	1.5	0.010	13.00
DS3316-2R2 □	2.2	0.010	12.10
DS3316-3R3 □	3.3	0.014	9.00
DS3316-4R7 □	4.7	0.023	8.00
DS3316-6R8 □	6.8	0.045	6.40
DS3316-100 □	10	0.050	5.60
DS3316-120 □	12	0.062	5.10
DS3316-150 □	15	0.065	5.00
DS3316-180 □	18	0.070	4.00
DS3316-220 □	22	0.085	2.50
DS3316-330 □	33	0.10	2.10
DS3316-470 □	47	0.14	2.00
DS3316-680 □	68	0.20	2.00
DS3316-101 □	100	0.28	1.50
DS3316-151 □	150	0.40	1.40
DS3316-221 □	220	0.61	1.00
DS3316-331 □	330	1.02	0.95
DS3316-471 □	470	1.40	0.50
DS3316-681 □	680	2.00	0.40
DS3316-102 □	1000	3.50	0.30

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

ELECTRICAL CHARACTERISTICS FOR DS3340

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS3340-R82□	0.82	0.0065	20.0
DS3340-1R0 □	1.0	0.0065	20.0
DS3340-1R2 □	1.2	0.0073	20.0
DS3340-2R2 □	2.2	0.0180	20.0
DS3340-3R3 □	3.3	0.0180	20.0
DS3340-4R7 □	4.7	0.0200	18.0
DS3340-6R8 □	6.8	0.0400	11.0
DS3340-100 □	10	0.0450	10.5
DS3340-120 □	12	0.0480	10.0
DS3340-150 □	15	0.0550	10.0
DS3340-180 □	18	0.0650	10.0
DS3340-220 □	22	0.0700	8.5
DS3340-330 □	33	0.0800	4.0
DS3340-470 □	47	0.1000	3.8
DS3340-680 □	68	0.1700	3.0
DS3340-101 □	100	0.2200	3.0
DS3340-151 □	150	0.3400	3.0
DS3340-221 □	220	0.4400	2.6
DS3340-331 □	330	0.7000	2.0
DS3340-471 □	470	0.9500	1.0
DS3340-681 □	680	0.9500	1.0
DS3340-821 □	820	1.6300	1.0
DS3340-102 □	1000	8.5000	0.5

UNSHIELDED SMD POWER INDUCTORS / DS TYPE

ELECTRICAL CHARACTERISTICS FOR DS5022

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
DS5022-1R0 □	1.0	0.008	20.00
DS5022-1R5 □	1.5	0.015	20.00
DS5022-2R2 □	2.2	0.020	20.00
DS5022-3R3 □	3.3	0.025	18.00
DS5022-5R6 □	5.6	0.030	16.00
DS5022-100 □	10	0.032	14.50
DS5022-120 □	12	0.035	13.00
DS5022-150 □	15	0.036	12.00
DS5022-220 □	22	0.047	10.00
DS5022-310 □	31	0.070	8.10
DS5022-330 □	33	0.075	7.50
DS5022-470 □	47	0.077	7.00
DS5022-680 □	68	0.120	6.00
DS5022-101 □	100	0.190	5.00
DS5022-151 □	150	0.250	4.00
DS5022-221 □	220	0.380	3.00
DS5022-271 □	270	0.500	2.60
DS5022-331 □	330	0.560	2.50
DS5022-401 □	400	0.650	2.40
DS5022-471 □	470	0.850	2.20
DS5022-681 □	680	1.500	1.60
DS5022-751 □	750	2.200	1.52
DS5022-102 □	1000	2.500	1.00
DS5022-202 □	2000	3.100	0.40
DS5022-222 □	2200	3.300	0.40
DS5022-562 □	5600	7.100	0.27
DS5022-303 □	30000	34.300	--

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

FEATURES

- Silver Plated Type
- High power and high saturation
- Ideal inductors for DC/DC conversion

APPLICATIONS

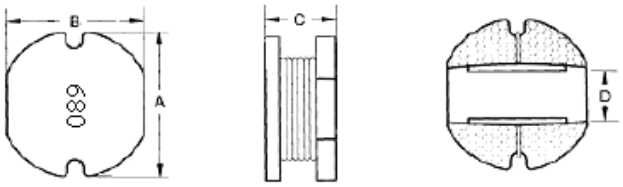
- LCD TV
- DC/DC converter
- Digital camera
- Portable communication equipment

ORDERING CODE

FPI 0302 - 680 □

- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

DIMENSIONS (UNIT: mm)

Part No.	A	B	C	D (Ref.)
FPI 0311	3.3 ± 0.3	3.0 ± 0.3	1.1 ± 0.3	1.00
FPI 0315	3.3 ± 0.3	3.0 ± 0.3	1.5 ± 0.3	1.00
FPI 0302	3.3 ± 0.3	3.0 ± 0.3	2.1 ± 0.3	1.00
FPI 0403	4.5 ± 0.3	4.0 ± 0.3	3.2 ± 0.3	1.30
FPI 0519	5.8 ± 0.3	5.2 ± 0.3	1.8 ± 0.3	1.30
FPI 0502	5.8 ± 0.3	5.2 ± 0.3	2.5 ± 0.3	1.30
FPI 0503	5.8 ± 0.3	5.2 ± 0.3	3.5 ± 0.5	1.30
FPI 0504	5.8 ± 0.3	5.2 ± 0.3	4.5 ± 0.3	1.30
FPI 0703	7.8 ± 0.3	7.0 ± 0.3	3.5 ± 0.3	2.10
FPI 0705	7.8 ± 0.3	7.0 ± 0.3	5.0 ± 0.3	2.10
FPI 1004	10.0 ± 0.3	9.0 ± 0.3	4.0 ± 0.3	3.10
FPI 1005	10.0 ± 0.4	9.0 ± 0.4	5.4 ± 0.3	3.10
FPI 1006	10.0 ± 0.4	9.0 ± 0.4	6.5 ± 0.3	3.10
FPI 1008	10.0 ± 0.4	9.0 ± 0.4	8.2 ± 0.3	3.10

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0311

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0311-1R0 □	1.0	0.060	2.00
FPI0311-2R2 □	2.2	0.150	1.80
FPI0311-2R7 □	2.7	0.150	1.60
FPI0311-3R3 □	3.3	0.170	1.50
FPI0311-4R7 □	4.7	0.300	1.40
FPI0311-6R8 □	6.8	0.300	1.00
FPI0311-100 □	10	0.800	1.00
FPI0311-220 □	22	1.500	0.60

ELECTRICAL CHARACTERISTICS FOR FPI0315

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0315-2R2 □	2.2	0.100	1.70
FPI0315-4R7 □	4.7	0.200	1.55
FPI0315-5R6 □	5.6	0.250	1.30
FPI0315-6R8 □	6.8	0.280	1.20
FPI0315-100 □	10	0.300	1.15
FPI0315-470 □	47	1.500	0.50

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0302

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0302-0R7 □	0.7	0.040	5.00
FPI0302-1R0 □	1.0	0.040	4.00
FPI0302-1R2 □	1.2	0.046	3.30
FPI0302-1R4 □	1.4	0.068	3.20
FPI0302-1R5 □	1.5	0.085	3.20
FPI0302-1R8 □	1.8	0.090	3.10
FPI0302-2R0 □	2.0	0.100	2.80
FPI0302-2R2 □	2.2	0.120	2.50
FPI0302-2R7 □	2.7	0.140	2.40
FPI0302-3R3 □	3.3	0.200	2.30
FPI0302-4R7 □	4.7	0.200	2.20
FPI0302-5R6 □	5.6	0.210	1.70
FPI0302-6R8 □	6.8	0.350	1.50
FPI0302-100 □	10	0.360	1.40
FPI0302-120 □	12	0.387	1.20
FPI0302-150 □	15	0.450	1.13
FPI0302-160 □	16	0.480	1.05
FPI0302-180 □	18	0.490	0.90
FPI0302-220 □	22	0.600	0.80
FPI0302-270 □	27	0.750	0.80
FPI0302-330 □	33	1.550	0.75
FPI0302-390 □	39	2.150	0.70
FPI0302-470 □	47	2.300	0.60
FPI0302-560 □	56	2.450	0.60
FPI0302-680 □	68	2.500	0.50
FPI0302-820 □	82	2.500	0.40
FPI0302-101 □	100	3.000	0.35
FPI0302-121 □	120	3.200	0.30
FPI0302-151 □	150	3.280	0.28
FPI0302-181 □	180	5.780	0.26
FPI0302-221 □	220	7.000	0.25
FPI0302-271 □	270	7.580	0.25
FPI0302-331 □	330	8.450	0.25
FPI0302-391 □	390	9.480	0.22
FPI0302-471 □	470	10.800	0.21
FPI0302-561 □	560	17.000	0.12

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0403

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0403-R25 □	0.25	0.010	10.00
FPI0403-0R5 □	0.50	0.020	8.00
FPI0403-1R0 □	1.00	0.049	7.00
FPI0403-1R2 □	1.20	0.051	5.50
FPI0403-1R4 □	1.40	0.056	4.50
FPI0403-1R5 □	1.50	0.057	4.00
FPI0403-1R8 □	1.80	0.064	3.90
FPI0403-2R2 □	2.20	0.065	3.70
FPI0403-2R7 □	2.70	0.070	3.50
FPI0403-3R0 □	3.00	0.075	3.30
FPI0403-3R3 □	3.30	0.087	3.00
FPI0403-3R9 □	3.90	0.090	2.60
FPI0403-4R7 □	4.70	0.094	2.40
FPI0403-5R6 □	5.60	0.095	2.20
FPI0403-6R8 □	6.80	0.132	1.90
FPI0403-8R2 □	8.20	0.147	1.80
FPI0403-100 □	10	0.182	1.50
FPI0403-120 □	12	0.210	1.50
FPI0403-150 □	15	0.235	1.30
FPI0403-180 □	18	0.340	1.20
FPI0403-200 □	20	0.350	1.00
FPI0403-220 □	22	0.378	1.00
FPI0403-270 □	27	0.380	0.90
FPI0403-330 □	33	0.540	0.85
FPI0403-390 □	39	0.587	0.80
FPI0403-470 □	47	0.744	0.70
FPI0403-560 □	56	0.750	0.65
FPI0403-680 □	68	0.900	0.60
FPI0403-820 □	82	0.900	0.55
FPI0403-101 □	100	1.200	0.53
FPI0403-121 □	120	1.300	0.50
FPI0403-151 □	150	1.800	0.50
FPI0403-181 □	180	2.180	0.45

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0403

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0403-221 □	220	2.570	0.36
FPI0403-271 □	270	2.600	0.30
FPI0403-331 □	330	4.200	0.28
FPI0403-391 □	390	4.300	0.26
FPI0403-471 □	470	7.000	0.24
FPI0403-561 □	560	8.500	0.22
FPI0403-102 □	1000	15.000	0.20
FPI0403-152 □	1500	20.000	0.14
FPI0403-222 □	2200	25.500	0.10
FPI0403-472 □	4700	60.000	0.05

ELECTRICAL CHARACTERISTICS FOR FPI0519

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0519-1R0 □	1.0	0.035	5.70
FPI0519-2R2 □	2.2	0.050	4.20
FPI0519-3R9 □	3.9	0.070	3.30
FPI0519-4R7 □	4.7	0.080	2.50
FPI0519-100 □	10	0.180	1.80
FPI0519-220 □	22	0.450	1.20
FPI0519-470 □	47	0.750	0.80
FPI0519-560 □	56	0.800	0.60
FPI0519-101 □	100	1.500	0.50
FPI0519-181 □	180	2.500	0.30

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0502

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0502-1R5 □	1.5	0.048	6.50
FPI0502-2R2 □	2.2	0.060	5.20
FPI0502-3R3 □	3.3	0.070	3.60
FPI0502-4R7 □	4.7	0.075	3.50
FPI0502-5R6 □	5.6	0.150	3.50
FPI0502-6R8 □	6.8	0.160	3.40
FPI0502-100 □	10	0.180	2.50
FPI0502-150 □	15	0.220	2.10
FPI0502-220 □	22	0.390	1.50
FPI0502-330 □	33	0.430	1.40
FPI0502-470 □	47	0.720	1.26
FPI0502-560 □	56	0.800	1.00
FPI0502-680 □	68	1.000	1.00
FPI0502-820 □	82	1.200	0.95
FPI0502-101 □	100	1.300	0.90
FPI0502-151 □	150	1.810	0.60
FPI0502-221 □	220	3.500	0.50
FPI0502-301 □	300	4.000	0.40
FPI0502-471 □	470	5.000	0.35

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0503

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0503-R47 □	0.47	0.020	13.00
FPI0503-2R2 □	2.20	0.040	7.00
FPI0503-2R7 □	2.70	0.050	6.00
FPI0503-3R3 □	3.30	0.065	5.00
FPI0503-4R7 □	4.70	0.070	4.30
FPI0503-5R1 □	5.10	0.075	4.20
FPI0503-5R6 □	5.60	0.090	4.00
FPI0503-6R8 □	6.80	0.095	3.20
FPI0503-100 □	10	0.170	3.00
FPI0503-120 □	12	0.180	3.00
FPI0503-150 □	15	0.200	2.60
FPI0503-220 □	22	0.300	2.20
FPI0503-270 □	27	0.315	1.80
FPI0503-330 □	33	0.380	1.70
FPI0503-350 □	35	0.390	1.60
FPI0503-390 □	39	0.400	1.50
FPI0503-470 □	47	0.500	1.30
FPI0503-560 □	56	0.700	1.20
FPI0503-600 □	60	0.900	1.10
FPI0503-680 □	68	1.000	1.10
FPI0503-820 □	82	1.050	1.00
FPI0503-101 □	100	1.100	0.90
FPI0503-121 □	120	1.200	0.80
FPI0503-151 □	150	1.500	0.75
FPI0503-181 □	180	1.800	0.70
FPI0503-221 □	220	2.500	0.70
FPI0503-331 □	330	3.000	0.55
FPI0503-471 □	470	3.800	0.48
FPI0503-561 □	560	4.700	0.43
FPI0503-102 □	1000	8.000	0.31

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0504

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0504-R47 □	0.47	0.003	10.00
FPI0504-R60 □	0.60	0.008	9.00
FPI0504-R90 □	0.90	0.018	7.80
FPI0504-1R0 □	1.00	0.018	7.70
FPI0504-1R2 □	1.20	0.020	6.50
FPI0504-1R5 □	1.50	0.025	6.00
FPI0504-1R7 □	1.70	0.025	6.00
FPI0504-2R0 □	2.00	0.030	5.50
FPI0504-2R2 □	2.20	0.035	5.20
FPI0504-2R5 □	2.50	0.040	5.10
FPI0504-2R6 □	2.60	0.043	5.00
FPI0504-2R7 □	2.70	0.045	5.00
FPI0504-3R3 □	3.30	0.045	4.20
FPI0504-3R6 □	3.60	0.055	4.10
FPI0504-3R9 □	3.90	0.055	4.00
FPI0504-4R7 □	4.70	0.060	3.50
FPI0504-5R0 □	5.00	0.060	3.40
FPI0504-5R6 □	5.60	0.065	3.00
FPI0504-6R8 □	6.80	0.065	2.70
FPI0504-8R2 □	8.20	0.070	2.50
FPI0504-100 □	10	0.100	2.30
FPI0504-120 □	12	0.120	2.20
FPI0504-150 □	15	0.140	2.10
FPI0504-180 □	18	0.150	2.00
FPI0504-220 □	22	0.180	1.40
FPI0504-270 □	27	0.200	1.40
FPI0504-330 □	33	0.230	1.20
FPI0504-390 □	39	0.300	1.00
FPI0504-470 □	47	0.310	1.00
FPI0504-500 □	50	0.350	0.90
FPI0504-560 □	56	0.420	0.85
FPI0504-680 □	68	0.460	0.80
FPI0504-820 □	82	0.600	0.77
FPI0504-101 □	100	0.700	0.70
FPI0504-121 □	120	0.930	0.65
FPI0504-151 □	150	1.100	0.58
FPI0504-181 □	180	1.350	0.55
FPI0504-221 □	220	1.570	0.50
FPI0504-271 □	270	1.850	0.40

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0504

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0504-301 □	300	1.900	0.40
FPI0504-331 □	330	2.000	0.40
FPI0504-391 □	390	2.200	0.40
FPI0504-471 □	470	3.000	0.40
FPI0504-561 □	560	3.000	0.35
FPI0504-681 □	680	4.000	0.33
FPI0504-821 □	820	4.400	0.30
FPI0504-102 □	1000	5.000	0.28

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0703

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0703-1R0 □	1.0	0.020	11.00
FPI0703-1R5 □	1.5	0.025	8.00
FPI0703-2R2 □	2.2	0.025	6.50
FPI0703-3R3 □	3.3	0.040	5.60
FPI0703-4R1 □	4.1	0.045	4.80
FPI0703-4R7 □	4.7	0.045	4.50
FPI0703-5R6 □	5.6	0.050	4.00
FPI0703-6R8 □	6.8	0.065	4.00
FPI0703-100 □	10	0.080	3.50
FPI0703-150 □	15	0.100	3.00
FPI0703-220 □	22	0.130	2.50
FPI0703-330 □	33	0.170	2.00
FPI0703-470 □	47	0.250	1.40
FPI0703-560 □	56	0.300	1.30
FPI0703-680 □	68	0.330	1.20
FPI0703-101 □	100	0.480	0.95
FPI0703-151 □	150	0.750	0.85
FPI0703-181 □	180	1.020	0.80
FPI0703-221 □	220	1.200	0.70
FPI0703-331 □	330	1.500	0.52
FPI0703-471 □	470	2.400	0.28
FPI0703-561 □	560	2.700	0.26
FPI0703-102 □	1000	4.000	0.25
FPI0703-122 □	1200	6.350	0.20
FPI0703-332 □	3300	15.000	0.15
FPI0703-502 □	5000	23.000	0.14
FPI0703-682 □	6800	33.000	0.13
FPI0703-902 □	9000	45.000	0.11
FPI0703-103 □	10000	50.000	0.10

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0705

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0705-1R0 □	1.0	0.025	12.00
FPI0705-1R2 □	1.2	0.028	10.20
FPI0705-1R5 □	1.5	0.030	8.40
FPI0705-2R2 □	2.2	0.030	6.80
FPI0705-3R3 □	3.3	0.031	6.50
FPI0705-3R9 □	3.9	0.033	6.00
FPI0705-4R7 □	4.7	0.035	5.50
FPI0705-5R6 □	5.6	0.035	5.20
FPI0705-6R8 □	6.8	0.040	4.90
FPI0705-8R2 □	8.2	0.050	3.80
FPI0705-100 □	10	0.070	3.50
FPI0705-120 □	12	0.080	3.30
FPI0705-150 □	15	0.090	3.10
FPI0705-180 □	18	0.100	2.90
FPI0705-200 □	20	0.120	2.50
FPI0705-220 □	22	0.130	2.30
FPI0705-270 □	27	0.130	2.30
FPI0705-330 □	33	0.150	2.20
FPI0705-390 □	39	0.160	2.00
FPI0705-470 □	47	0.180	1.80
FPI0705-560 □	56	0.240	1.55
FPI0705-680 □	68	0.280	1.40
FPI0705-820 □	82	0.370	1.10
FPI0705-101 □	100	0.430	1.10
FPI0705-121 □	120	0.470	1.00
FPI0705-151 □	150	0.640	0.95
FPI0705-181 □	180	0.710	0.85
FPI0705-221 □	220	0.960	0.80
FPI0705-271 □	270	1.110	0.70
FPI0705-331 □	330	1.260	0.60
FPI0705-471 □	470	1.300	0.50
FPI0705-561 □	560	1.800	0.40
FPI0705-681 □	680	2.000	0.40
FPI0705-821 □	820	2.570	0.37
FPI0705-102 □	1000	4.000	0.35
FPI0705-222 □	2200	6.500	0.28
FPI0705-332 □	3300	11.000	0.28
FPI0705-402 □	4000	11.000	0.21
FPI0705-502 □	5000	13.500	0.20

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI0705

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI0705-682 □	6800	22.000	0.20
FPI0705-103 □	10000	34.000	0.10
FPI0705-253 □	25000	95.000	0.10

ELECTRICAL CHARACTERISTICS FOR FPI1004

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI1004-1R2 □	1.2	0.025	9.00
FPI1004-6R8 □	6.8	0.050	5.00
FPI1004-100 □	10	0.050	3.80
FPI1004-150 □	15	0.070	3.20
FPI1004-180 □	18	0.080	3.00
FPI1004-220 □	22	0.090	3.00
FPI1004-270 □	27	0.100	2.50
FPI1004-330 □	33	0.120	2.00
FPI1004-390 □	39	0.200	2.00
FPI1004-470 □	47	0.200	1.80
FPI1004-680 □	68	0.300	1.50
FPI1004-221 □	220	0.640	0.80
FPI1004-471 □	470	1.310	0.50
FPI1004-561 □	560	1.600	0.50

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI1005

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI1005-R82 □	0.82	0.015	17.00
FPI1005-0R5 □	0.50	0.015	16.50
FPI1005-1R0 □	1.00	0.020	16.00
FPI1005-1R5 □	1.50	0.020	12.30
FPI1005-2R2 □	2.20	0.020	10.20
FPI1005-3R3 □	3.30	0.020	8.00
FPI1005-3R9 □	3.90	0.020	7.50
FPI1005-4R7 □	4.70	0.025	6.30
FPI1005-5R0 □	5.00	0.025	6.30
FPI1005-5R6 □	5.60	0.028	5.90
FPI1005-6R8 □	6.80	0.030	5.50
FPI1005-8R2 □	8.20	0.040	5.20
FPI1005-100 □	10	0.060	5.00
FPI1005-150 □	15	0.080	4.00
FPI1005-180 □	18	0.090	3.40
FPI1005-220 □	22	0.100	3.00
FPI1005-330 □	33	0.120	2.80
FPI1005-390 □	39	0.150	2.30
FPI1005-470 □	47	0.170	2.20
FPI1005-560 □	56	0.190	2.00
FPI1005-680 □	68	0.220	1.73
FPI1005-820 □	82	0.250	1.70
FPI1005-101 □	100	0.300	1.60
FPI1005-121 □	120	0.400	1.55
FPI1005-151 □	150	0.470	1.45
FPI1005-181 □	180	0.630	1.35
FPI1005-221 □	220	0.730	1.00
FPI1005-301 □	300	0.800	1.00
FPI1005-331 □	330	1.150	0.68
FPI1005-471 □	470	1.480	0.57
FPI1005-561 □	560	1.500	0.53
FPI1005-681 □	680	1.600	0.50
FPI1005-821 □	820	2.000	0.38
FPI1005-102 □	1000	2.300	0.20

UNSHIELDED SMD POWER INDUCTORS / FPI TYPE

ELECTRICAL CHARACTERISTICS FOR FPI1006

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI1006-1R5 □	1.5	0.020	20.0
FPI1006-3R3 □	3.3	0.030	15.0
FPI1006-100 □	10	0.050	9.20
FPI1006-220 □	22	0.075	6.20
FPI1006-330 □	33	0.100	4.50
FPI1006-390 □	39	0.100	4.40
FPI1006-470 □	47	0.140	3.80
FPI1006-560 □	56	0.140	3.60
FPI1006-680 □	68	0.200	3.50
FPI1006-101 □	100	0.218	3.00
FPI1006-121 □	120	0.280	2.70
FPI1006-151 □	150	0.330	2.30
FPI1006-221 □	220	0.600	2.10
FPI1006-102 □	1000	3.500	0.93
FPI1006-332 □	3300	7.500	0.60

ELECTRICAL CHARACTERISTICS FOR FPI1008

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
FPI1008-6R8 □	6.8	0.026	9.50
FPI1008-330 □	33	0.055	4.50
FPI1008-360 □	36	0.085	4.00
FPI1008-470 □	47	0.111	2.00
FPI1008-680 □	68	0.150	1.80
FPI1008-581 □	580	0.810	1.00
FPI1008-681 □	680	1.180	0.95
FPI1008-751 □	750	1.300	0.90
FPI1008-102 □	1000	1.650	0.60

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 2.52MHZ/1V

FIXED INDUCOTRS FOR POWER INDUCTORS / THT TYPE

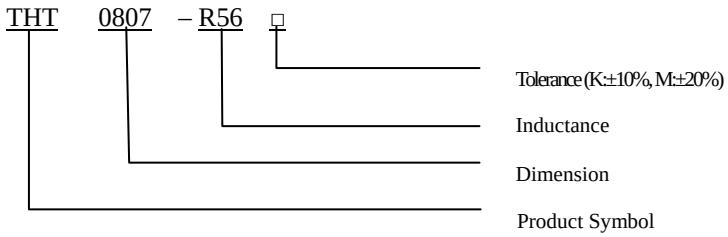
FEATURES

- Ultra low buzz noise, due to composite construction.
- The High current (lsat up to 28A) though hole type.
- Magnetically shielded, suitable for hight density mounting.
- High energy storage and low DCR.
- Material: Iron Core / Ni-Zn Core (N)

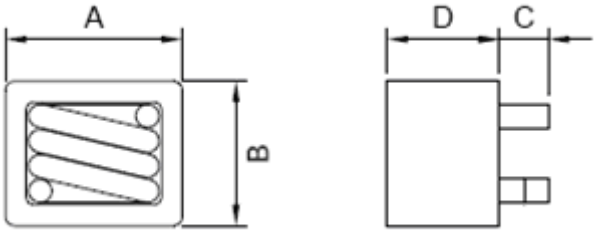
APPLICATIONS

Excellent for power line DC-DC conversion applications used in power switching, personal computers and other handheld electronic equipment..

ORDERING CODE



SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A(Max)	B(Max)	C±0.5	D(Max)
THT 0807	9.3	8.5	3.5	7.5
THT 1009	10.5	10.5	3.5	9.5
THT 1109	11.8	11.8	3.5	9.5
THT 1309	13.2	9.4	3.5	10.0
THT 1310	13.2	12.2	3.5	10.5
THT 0807N	9.0	8.2	3.5	7.5
THT 1009N	10.5	10.5	3.5	9.5
THT 1110N	11.8	11.8	3.5	10.5
THT 1210N	12.5	11.5	3.5	10.5
THT 1310N	13.0	12.5	3.5	10.5

FIXED INDUCOTRS FOR POWER INDUCTORS / THT TYPE

ELECTRICAL CHARACTERISTICS FOR THT

Part No.	Inductance (uH)	RDC (mΩ)	IDC (A) MAX	Part No.	Inductance (uH)	RDC (mΩ)	IDC (A) MAX
THT0807-R56M	0.56	1.9±10%	28	**THT1309-R60M**	0.60	1.3 (MAX)	60
THT0807-R82M	0.82	2.9±10%	23	**THT1309-R68M**	0.68	1.3 (MAX)	55
THT0807-1R2M	1.20	4.3±10%	21	**THT1309-R80M**	0.80	1.3 (MAX)	50
THT1009-R50M	0.50	1.5±10%	40	**THT1309-1R0M**	1.00	2.5 (MAX)	45
THT1009-1R0M	1.00	2.5±10%	40	**THT1309-1R2M**	1.20	2.5 (MAX)	40
THT1009-1R2M	1.20	2.5±10%	38	**THT1310-R30M**	0.30	1.0±10%	50
THT1009-1R5M	1.50	3.0±10%	30	**THT1310-R40M**	0.40	1.1±10%	48
THT1009-2R0M	2.00	4.0±10%	30	**THT1310-R47M**	0.47	1.2±10%	46
THT1109-R47M	0.47	0.8±10%	50	**THT1310-R56M**	0.56	1.3±10%	45
THT1109-R60M	0.60	0.8±10%	50	**THT1310-R68M**	0.68	1.5±10%	43
THT1109-R80M	0.80	1.3±10%	45	**THT1310-R80M**	0.80	1.7±10%	42
THT1109-1R0M	1.00	1.3±10%	35	**THT1310-1R0M**	1.00	2.1±10%	38
THT1109-1R5M	1.50	1.8±10%	25	**THT1310-1R5M**	1.50	2.2±10%	30
THT1109-2R0M	2.00	3.3±10%	30	**THT1310-2R2M**	2.20	3.5±10%	24
THT1109-3R3M	3.30	6.3±10%	25	**THT1310-3R3M**	3.30	6.0±10%	18
THT1309-R36M	0.36	0.7 (MAX)	70	**THT1310-4R7M**	4.70	8.8±10%	15
THT1309-R50M	0.50	0.7 (MAX)	65				

FIXED INDUCOTRS FOR POWER INDUCTORS / THT TYPE

ELECTRICAL CHARACTERISTICS FOR THT****N

Part No.	Inductance (uH)	RDC (mΩ) MAX	IDC (A) MAX	Part No.	Inductance (uH)	RDC (mΩ) MAX	IDC (A) MAX
THT0807N-R47M	0.47	3.20	32	**THT1110N-3R3M**	3.30	3.50	12
THT0807N-R56M	0.56	3.20	28	**THT1110N-4R7M**	4.70	5.00	10
THT0807N-R82M	0.80	5.00	23	**THT1210N-R30M**	0.30	0.90	50
THT0807N-1R0M	1.00	6.50	18	**THT1210N-R40M**	0.40	1.00	46
THT0807N-4R7M	4.70	28.00	5	**THT1210N-R47M**	0.47	1.10	44
THT1009N-R30M	0.30	0.85	29	**THT1210N-R56M**	0.56	1.20	42
THT1009N-R40M	0.40	0.90	25	**THT1210N-R68M**	0.68	1.30	40
THT1009N-R47M	0.47	1.00	23	**THT1210N-R80M**	0.80	1.50	37
THT1009N-R56M	0.56	1.20	22	**THT1210N-1R0M**	1.00	1.70	35
THT1009N-R68M	0.68	1.30	20	**THT1210N-1R5M**	1.50	1.80	20
THT1109N-R80M	0.80	1.40	14	**THT1210N-2R2M**	2.20	2.80	17
THT1109N-1R0M	1.00	2.00	12	**THT1210N-3R3M**	3.30	3.80	15
THT1109N-1R5M	1.50	3.30	10	**THT1210N-4R7M**	4.70	5.50	12
THT1109N-2R2M	2.20	3.40	8	**THT1310N-R30M**	0.30	1.10	58
THT1109N-3R3M	3.30	5.60	6	**THT1310N-R40M**	0.40	1.25	56
THT1109N-4R7M	4.70	10.30	4	**THT1310N-R47M**	0.47	1.30	54
THT1110N-R30M	0.30	0.80	50	**THT1310N-R56M**	0.56	1.40	50
THT1110N-R40M	0.40	0.90	46	**THT1310N-R68M**	0.68	1.50	44
THT1110N-R47M	0.47	1.00	42	**THT1310N-R80M**	0.80	1.60	40
THT1110N-R56M	0.56	1.10	40	**THT1310N-1R0M**	1.00	1.70	30
THT1110N-R68M	0.68	1.20	36	**THT1310N-1R5M**	1.50	1.80	20
THT1110N-R80M	0.80	1.30	34	**THT1310N-2R2M**	2.20	2.50	18
THT1110N-1R0M	1.00	1.50	32	**THT1310N-3R3M**	3.30	3.40	12
THT1110N-1R5M	1.50	1.80	18	**THT1310N-4R7M**	4.70	4.50	10
THT1110N-2R2M	2.20	2.20	14				

HIGH CURRENT POWER INDUCTORS / SIC TYPE

FEATURES

- Clip Plated Type, Low Profile.
- High power, High saturation inductors.
- Ideal inductors for DC-DC conversion.
- Available on tape and reel for auto surface mounting.

APPLICATIONS

- Notebook /Desktop/server applications
- Battery Power equipment
- DC/DC converters.Power supplier, etc

INDUCTANCE AND RATED CURRENT RANGES

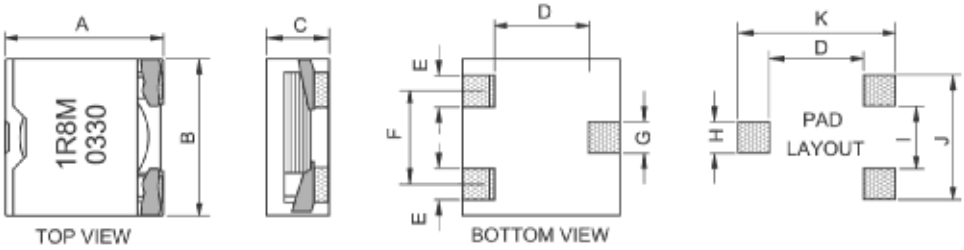
- SIC104L 0.36～4.3uH 18.0～5.0A
- SIC105L 0.36～8.8uH 19.0～4.8A
- SIC105H 0.15～3.0uH 19.0～4.9A
- SIC125 1.5～10.0uH 14.0～5.0A
- SIC125U 0.35～5.6uH 18.5～7.6A
- SIC134H 0.3～6.0uH 18.5～6.5A

ORDERING CODE

SIC 104L - 1R4 □

- Tolerance (M:±20%,N:±30%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Ref)	E (Ref)	F (Ref)	G (Ref)	H (Ref)	I (Ref)	J (Ref)	K (Ref)
SIC104	10.4	10.4	4.5	6.7	2.6	5.5	1.4	2.0	2.5	8.5	11.0
SIC105	10.4	10.4	5.6	6.7	2.6	5.5	1.4	2.0	2.5	8.5	11.0
SIC125	12.9	12.9	5.7	8.2	2.6	7.0	2.5	3.0	4.0	10.0	13.5
SIC134	13.9	13.9	5.0	9.6	2.6	7.2	2.5	2.6	4.4	10.0	15.0

HIGH CURRENT POWER INDUCTORS / SIC TYPE

Part No.	Inductance (uH)	RDC (mΩ) Max			IDC (A) Max		
		104L	105L	105H	104L	105L	105H
R15	0.15			1.7			19.0
R22	0.22						
R30	0.30			2.4			17.7
R36	0.36	2.2	1.7		18.0	19.0	
R45	0.45						
R50	0.50			4.1			13.0
R80	0.80	3.7	2.4	5.3	13.4	16.0	11.2
1R2	1.20			7.5			9.0
1R3	1.30						
1R4	1.40	5.9	4.1		10.2	12.0	
1R5	1.50			10.5			7.8
1R8	1.80						
2R0	2.00			12.4			7.4
2R2	2.20	11.8	5.3		7.3	9.6	
2R5	2.50						
3R0	3.00			23.8			4.9
3R2	3.20	18.6	7.5		5.4	7.8	
4R0	4.00						
4R3	4.30	21.8	10.5		5.0	6.8	
5R0	5.00						
5R7	5.70		12.4			5.8	
7R2	7.20		18.0			5.3	
8R8	8.80		23.8			4.8	

★ Test Frequency: 100KHz / 1V

HIGH CURRENT POWER INDUCTORS / SIC TYPE

Part No.	Inductance (uH)	RDC (mΩ) Max			IDC (A) Max		
		125	125U	134H	125	125U	134H
R30	0.30			1.9			18.5
R35	0.35		1.8			18.5	
R40	0.40						
R66	0.66			2.5			17.0
R80	0.80		2.5			16.5	
R90	0.90						
1R0	1.00						
1R2	1.20			3.7			15.0
1R4	1.40		3.4			15.5	
1R5	1.50	2.5			14.0		
1R6	1.60						
1R8	1.80			6.6			10.5
2R2	2.20		5.4			12.5	
2R5	2.50	3.4			10.0		
2R7	2.70			10.8			8.0
2R8	2.80						
3R2	3.20		8.0			9.9	
3R6	3.60			12.0			7.5
4R0	4.00	8.0			8.3		
4R3	4.30		11.4			8.2	
4R8	4.80			16.3			7.0
5R6	5.60		13.5			7.6	
6R0	6.00	8.0		18.4	6.7		6.5
6R4	6.40						
7R2	7.20						
8R0	8.00						
8R2	8.20	11.4			5.8		
100	10.00	13.5			5.0		

★ Test Frequency: 100KHz / 1V

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SER TYPE

FEATURES

- Perfect for high current.
- Extremely low RDC.
- Low voltage power supply applications.
- Custom design available.

APPLICATIONS

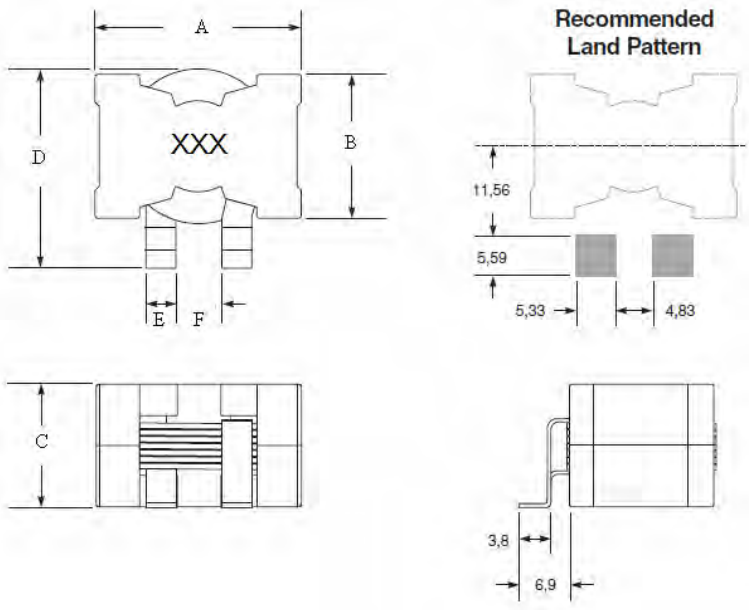
- High density DC/DC converters
- POL converters
- High current VRM/VRD for notebook/ Server/ desktop CPUs
- High speed charger

ORDERING CODE

SER □□□□□ – 1R0 □

- Tolerance (K:±10%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm (inch)

Part No.	A	B	C	D	E	F
SER2814L	27.9 (MAX)	19.3 (MAX)	14.22 (MAX)	28.5 (MAX)	4.6 (REF)	6.1 (REF)
SER2814H	27.9 (MAX)	19.3 (MAX)	14.22 (MAX)	28.5 (MAX)	4.6 (REF)	6.1 (REF)
SER2817H	27.9 (MAX)	19.3 (MAX)	16.64 (MAX)	28.5 (MAX)	4.6 (REF)	6.1 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SER TYPE

ELECTRICAL CHARACTERISTICS FOR SER2814L

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SER2814L-1R5K	1.5	500KHz/0.1V	1.62	100.0
SER2814L-2R2K	2.2	500KHz/0.1V	1.62	84.0
SER2814L-3R3K	3.3	500KHz/0.1V	1.62	54.0
SER2814L-4R7K	4.7	500KHz/0.1V	1.62	36.9
SER2814L-6R8K	6.8	500KHz/0.1V	1.62	26.0
SER2814L-100K	10	500KHz/0.1V	1.62	16.2
SER2814L-150K	15	500KHz/0.1V	1.62	9.8
SER2814L-220K	22	500KHz/0.1V	1.62	6.0
SER2814L-330K	33	500KHz/0.1V	1.62	2.6

ELECTRICAL CHARACTERISTICS FOR SER2814H

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SER2814H-2R2K	2.2	500KHz/0.1V	2.01	100
SER2814H-3R3K	3.3	500KHz/0.1V	2.01	66.9
SER2814H-4R7K	4.7	500KHz/0.1V	2.01	48.0
SER2814H-6R8K	6.8	500KHz/0.1V	2.01	34.5
SER2814H-100K	10.0	500KHz/0.1V	2.01	21.5
SER2814H-150K	15.0	500KHz/0.1V	2.01	14.0
SER2814H-220K	22.0	500KHz/0.1V	2.01	8.6
SER2814H-330K	33.0	500KHz/0.1V	2.01	5.1

ELECTRICAL CHARACTERISTICS FOR SER2817H

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SER2817H-3R3K	3.3	500KHz/0.1V	2.82	92.5
SER2817H-4R7K	4.7	500KHz/0.1V	2.82	61.2
SER2817H-6R8K	6.8	500KHz/0.1V	2.82	45.0
SER2817H-100K	10.0	500KHz/0.1V	2.82	31.2
SER2817H-150K	15.0	500KHz/0.1V	2.82	21.2
SER2817H-220K	22.0	500KHz/0.1V	2.82	14.0
SER2817H-330K	33.0	500KHz/0.1V	2.82	8.7

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMT TYPE

FEATURES

- High current, low loss of alloy materials.
- Low profile for machine placement.
- Magnetically shielded suitable for high density mounting.
- Suppress common mode noise.
- High energy storage and low RDC.
- Custom design available.

APPLICATIONS

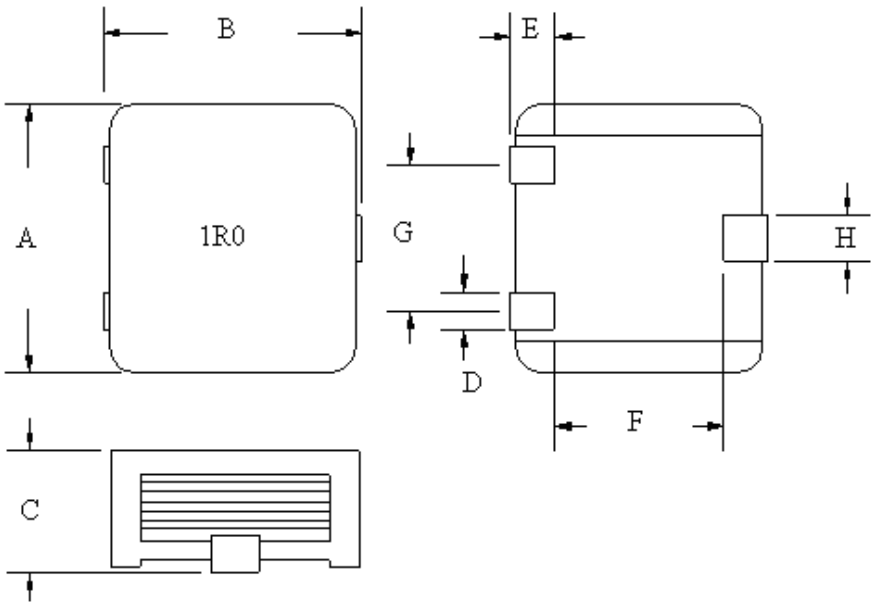
- High density DC/DC converters
- POL converters
- High current VRM/VRD for notebook/ Server/ desktop CPUs
- High speed charger

ORDERING CODE

SMT □□□□□ – 1R0 □

- Tolerance (M:±20%)
- Dimension
- Product Symbol

SHAPES



SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMT TYPE

DIMENSIONS UNIT: mm (inch)

Part No.	A	B	C	E	F	G	H
SMT10055	10.0 ± 0.5	10.5 ± 1.0	5.5 (MAX)	2.0 ± 0.5	6.2 (REF)	6.0 (REF)	2.5 (REF)
SMT12070	12.7 ± 0.5	13.5 ± 1.0	7.0 (MAX)	3.0 ± 1.0	8.0 (REF)	7.8 (REF)	2.5 (REF)

ELECTRICAL CHARACTERISTICS FOR SMT10055

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SMT10055-R47M	0.47	100KHz/0.1V	2.0	40	2.0
SMT10055-R68M	0.68	100KHz/0.1V	2.0	36	2.0
SMT10055-R82M	0.82	100KHz/0.1V	3.0	32	2.0
SMT10055-1R0M	1.00	100KHz/0.1V	3.0	25	2.0
SMT10055-1R5M	1.50	100KHz/0.1V	4.5	20	1.5
SMT10055-2R2M	2.20	100KHz/0.1V	5.5	16	1.5
SMT10055-3R3M	3.30	100KHz/0.1V	12.0	14	1.5
SMT10055-4R7M	4.70	100KHz/0.1V	13.0	12	1.5
SMT10055-6R8M	6.80	100KHz/0.1V	18.0	10	1.5
SMT10055-8R2M	8.20	100KHz/0.1V	20.0	9	1.5
SMT10055-100M	10.0	100KHz/0.1V	25.0	8	1.5

ELECTRICAL CHARACTERISTICS FOR SMT12070

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SMT12070-R33M	0.33	100KHz/0.1V	1.0	68	3.0
SMT12070-R47M	0.47	100KHz/0.1V	1.0	50	3.0
SMT12070-R68M	0.68	100KHz/0.1V	1.8	50	3.0
SMT12070-R82M	0.82	100KHz/0.1V	1.8	45	3.0
SMT12070-1R0M	1.00	100KHz/0.1V	1.8	30	3.0
SMT12070-1R5M	1.50	100KHz/0.1V	2.3	24	3.0
SMT12070-2R2M	2.20	100KHz/0.1V	3.5	20	3.0
SMT12070-3R3M	3.30	100KHz/0.1V	6.0	19	1.8
SMT12070-4R7M	4.70	100KHz/0.1V	8.0	16	1.8
SMT12070-6R8M	6.80	100KHz/0.1V	12.0	14	1.8
SMT12070-8R2M	8.20	100KHz/0.1V	15.0	12	1.8
SMT12070-100M	10.0	100KHz/0.1V	16.0	10	1.8
SMT12070-120M	12.0	100KHz/0.1V	18.0	9	1.8

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

FEATURES

- High current, low loss of iron powder core.
- Low profile for machine placement.
- Minimize electromagnetic interference.
- Suppress common mode noise.
- Prevent EMI effect via precise impedance.
- Custom design available.

APPLICATIONS

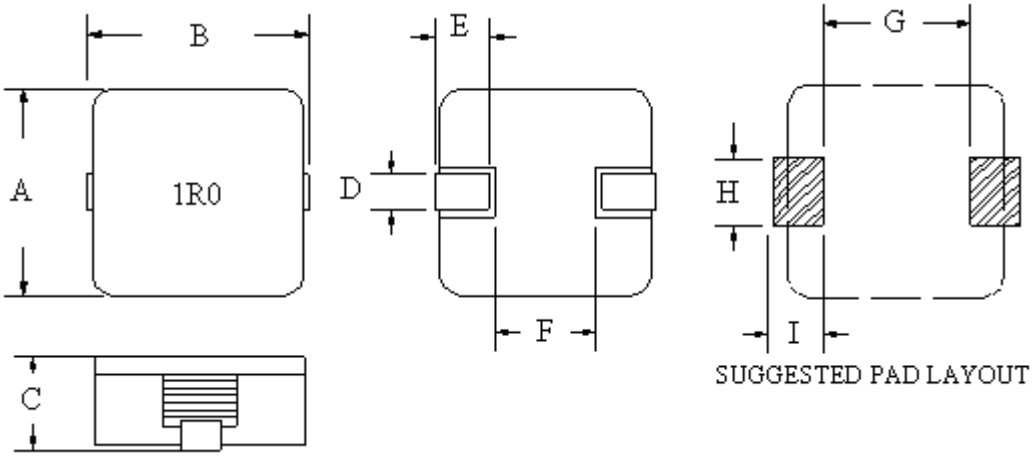
- High density DC/DC converters
- POL converters
- High current VRM/VRD for notebook/ Server/ desktop CPUs
- High speed charger

ORDERING CODE

SS □□□□□ – 1R0 □

- Tolerance (M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

DIMENSIONS UNIT: mm (inch)

Part No.	A	B	C	E	F	G	H	I
SS06030	6.7 ± 0.3	7.0 ± 0.3	3.0 ± 0.3	1.8 ± 0.5	2.8 (REF)	2.5 (REF)	3.5 (REF)	2.5 (REF)
SS06035	6.7 ± 0.3	7.0 ± 0.3	3.5 ± 0.3	1.8 ± 0.5	2.8 (REF)	2.5 (REF)	3.5 (REF)	2.5 (REF)
SS06040	6.7 ± 0.3	7.0 ± 0.3	4.0 ± 0.3	1.8 ± 0.5	2.8 (REF)	2.5 (REF)	3.5 (REF)	2.5 (REF)
SS06045	6.7 ± 0.3	7.0 ± 0.3	4.5 ± 0.3	1.8 ± 0.5	2.8 (REF)	2.5 (REF)	3.5 (REF)	2.5 (REF)
SS06050	6.7 ± 0.3	7.0 ± 0.3	5.0 ± 0.3	1.8 ± 0.5	2.8 (REF)	2.5 (REF)	3.5 (REF)	2.5 (REF)
SS10030	10.2 ± 0.3	10.4 ± 0.3	3.0 ± 0.3	1.8 ± 0.5	5.5 (REF)	5.0 (REF)	3.5 (REF)	3.0 (REF)
SS10035	10.2 ± 0.3	10.4 ± 0.3	3.5 ± 0.3	1.8 ± 0.5	5.5 (REF)	5.0 (REF)	3.5 (REF)	3.0 (REF)
SS10040	10.2 ± 0.3	10.4 ± 0.3	4.0 ± 0.3	1.8 ± 0.5	5.5 (REF)	5.0 (REF)	3.5 (REF)	3.0 (REF)
SS10045	10.2 ± 0.3	10.4 ± 0.3	4.5 ± 0.3	1.8 ± 0.5	5.5 (REF)	5.0 (REF)	3.5 (REF)	3.0 (REF)
SS10050	10.2 ± 0.3	10.4 ± 0.3	5.0 ± 0.3	1.8 ± 0.5	5.5 (REF)	5.0 (REF)	3.5 (REF)	3.0 (REF)
SS12030	12.7 ± 0.4	13.2 ± 0.4	3.0 ± 0.4	2.8 ± 0.5	5.8 (REF)	5.5 (REF)	4.5 (REF)	4.0 (REF)
SS12036	12.7 ± 0.4	13.2 ± 0.4	3.6 ± 0.4	2.8 ± 0.5	5.8 (REF)	5.5 (REF)	4.5 (REF)	4.0 (REF)
SS12042	12.7 ± 0.4	13.2 ± 0.4	4.2 ± 0.4	2.8 ± 0.5	5.8 (REF)	5.5 (REF)	4.5 (REF)	4.0 (REF)
SS12048	12.7 ± 0.4	13.2 ± 0.4	4.8 ± 0.4	2.8 ± 0.5	5.8 (REF)	5.5 (REF)	4.5 (REF)	4.0 (REF)
SS12054	12.7 ± 0.4	13.2 ± 0.4	5.4 ± 0.4	2.8 ± 0.5	5.8 (REF)	5.5 (REF)	4.5 (REF)	4.0 (REF)
SS12060	12.7 ± 0.4	13.2 ± 0.4	6.0 ± 0.4	2.8 ± 0.5	5.8 (REF)	5.5 (REF)	4.5 (REF)	4.0 (REF)
SS12066	12.7 ± 0.4	13.2 ± 0.4	6.6 ± 0.4	2.8 ± 0.5	5.8 (REF)	5.5 (REF)	4.5 (REF)	4.0 (REF)
SS18095	18.2 ± 0.5	18.5 ± 1.0	9.5 (MAX)	4.0 ± 1.0	11.0 (REF)	8.0 (REF)	5.5 (REF)	6.0 (REF)

ELECTRICAL CHARACTERISTICS FOR SS06030

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS06030-R10M	0.10	100KHz/0.1V	1.5	35.0	2.4 (REF)
SS06030-R22M	0.22	100KHz/0.1V	2.5	30.0	2.0 (REF)
SS06030-R33M	0.33	100KHz/0.1V	4.0	32.0	1.2 (REF)
SS06030-R47M	0.47	100KHz/0.1V	4.0	20.0	1.2 (REF)
SS06030-R68M	0.68	100KHz/0.1V	7.0	16.0	1.2 (REF)
SS06030-R82M	0.82	100KHz/0.1V	7.0	15.0	1.2 (REF)
SS06030-1R0M	1.00	100KHz/0.1V	9.0	15.0	1.2 (REF)
SS06030-1R5M	1.50	100KHz/0.1V	14.0	10.0	1.2 (REF)
SS06030-2R2M	2.20	100KHz/0.1V	16.0	8.0	1.2 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

ELECTRICAL CHARACTERISTICS FOR SS06035

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS06035-R22M	0.22	100KHz/0.1V	2.0	30.0	2.4 (REF)
SS06035-R33M	0.33	100KHz/0.1V	3.0	32.0	2.0 (REF)
SS06035-R47M	0.47	100KHz/0.1V	3.0	20.0	2.0 (REF)
SS06035-R68M	0.68	100KHz/0.1V	5.0	16.0	1.8 (REF)
SS06035-R82M	0.82	100KHz/0.1V	5.0	15.0	1.8 (REF)
SS06035-1R0M	1.00	100KHz/0.1V	7.0	15.0	1.2 (REF)
SS06035-1R5M	1.50	100KHz/0.1V	10.0	10.0	1.2 (REF)
SS06035-2R2M	2.20	100KHz/0.1V	12.0	8.0	1.2 (REF)
SS06035-3R3M	3.30	100KHz/0.1V	20.0	6.0	1.2 (REF)

ELECTRICAL CHARACTERISTICS FOR SS06040

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS06040-R33M	0.33	100KHz/0.1V	2.5	32.0	2.4 (REF)
SS06040-R47M	0.47	100KHz/0.1V	2.5	20.0	2.4 (REF)
SS06040-R68M	0.68	100KHz/0.1V	4.0	16.0	2.0 (REF)
SS06040-R82M	0.82	100KHz/0.1V	5.5	17.0	1.8 (REF)
SS06040-1R0M	1.00	100KHz/0.1V	8.0	18.0	1.2 (REF)
SS06040-1R5M	1.50	100KHz/0.1V	9.0	13.0	1.2 (REF)
SS06040-2R2M	2.20	100KHz/0.1V	13.0	10.0	1.2 (REF)
SS06040-3R3M	3.30	100KHz/0.1V	25.0	7.0	1.2 (REF)
SS06040-4R7M	4.70	100KHz/0.1V	32.0	6.5	1.2 (REF)

ELECTRICAL CHARACTERISTICS FOR SS06045

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS06045-R33M	0.33	100KHz/0.1V	2.0	32.0	2.6 (REF)
SS06045-R47M	0.47	100KHz/0.1V	2.0	20.0	2.6 (REF)
SS06045-R68M	0.68	100KHz/0.1V	3.0	16.0	2.4 (REF)
SS06045-R82M	0.82	100KHz/0.1V	4.5	17.0	2.0 (REF)
SS06045-1R0M	1.00	100KHz/0.1V	6.0	18.0	2.0 (REF)
SS06045-1R5M	1.50	100KHz/0.1V	8.0	13.0	1.8 (REF)
SS06045-2R2M	2.20	100KHz/0.1V	10.0	10.0	1.2 (REF)
SS06045-3R3M	3.30	100KHz/0.1V	16.0	7.0	1.2 (REF)
SS06045-4R7M	4.70	100KHz/0.1V	28.0	6.5	1.2 (REF)
SS06045-6R8M	6.80	100KHz/0.1V	40.0	6.0	1.2 (REF)
SS06045-8R2M	8.20	100KHz/0.1V	45.0	5.5	1.2 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

ELECTRICAL CHARACTERISTICS FOR SS06050

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS06050-R68M	0.68	100KHz/0.1V	2.5	16.0	2.6 (REF)
SS06050-R82M	0.82	100KHz/0.1V	3.5	17.0	2.4 (REF)
SS06050-1R0M	1.00	100KHz/0.1V	6.0	18.0	2.0 (REF)
SS06050-1R5M	1.50	100KHz/0.1V	7.0	13.0	2.0 (REF)
SS06050-2R2M	2.20	100KHz/0.1V	8.0	10.0	1.8 (REF)
SS06050-3R3M	3.30	100KHz/0.1V	12.0	7.0	1.2 (REF)
SS06050-4R7M	4.70	100KHz/0.1V	25.0	6.5	1.2 (REF)
SS06050-6R8M	6.80	100KHz/0.1V	35.0	6.0	1.2 (REF)
SS06050-100M	10.00	100KHz/0.1V	50.0	5.0	1.2 (REF)

ELECTRICAL CHARACTERISTICS FOR SS10030

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS10030-R12M	0.12	100KHz/0.1V	1.5	35.0	2.8 (REF)
SS10030-R33M	0.33	100KHz/0.1V	3.0	32.0	2.2 (REF)
SS10030-R60M	0.60	100KHz/0.1V	4.5	27.0	1.8 (REF)
SS10030-1R0M	1.00	100KHz/0.1V	9.0	21.0	1.8 (REF)
SS10030-1R5M	1.50	100KHz/0.1V	15.0	19.0	1.8 (REF)

ELECTRICAL CHARACTERISTICS FOR SS10035

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS10035-R33M	0.33	100KHz/0.1V	2.0	32.0	2.8 (REF)
SS10035-R60M	0.60	100KHz/0.1V	3.5	27.0	2.4 (REF)
SS10035-1R0M	1.00	100KHz/0.1V	5.5	21.0	1.8 (REF)
SS10035-1R5M	1.50	100KHz/0.1V	8.0	19.0	1.8 (REF)
SS10035-2R0M	2.00	100KHz/0.1V	12.0	15.0	1.8 (REF)
SS10035-2R7M	2.70	100KHz/0.1V	18.0	12.0	1.8 (REF)

ELECTRICAL CHARACTERISTICS FOR SS10040

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS10040-R60M	0.60	100KHz/0.1V	2.5	27.0	2.8 (REF)
SS10040-1R0M	1.00	100KHz/0.1V	3.5	22.0	2.4 (REF)
SS10040-1R5M	1.50	100KHz/0.1V	6.5	20.0	2.2 (REF)
SS10040-2R0M	2.00	100KHz/0.1V	8.0	15.0	1.8 (REF)
SS10040-2R7M	2.70	100KHz/0.1V	14.0	13.0	1.8 (REF)
SS10040-3R3M	3.30	100KHz/0.1V	16.0	11.0	1.8 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

ELECTRICAL CHARACTERISTICS FOR SS10045

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS10045-R90M	0.90	100KHz/0.1V	3.0	24.0	2.8 (REF)
SS10045-1R3M	1.30	100KHz/0.1V	4.5	22.0	2.4 (REF)
SS10045-1R8M	1.80	100KHz/0.1V	8.0	18.0	2.2 (REF)
SS10045-2R2M	2.20	100KHz/0.1V	10.0	17.0	1.8 (REF)
SS10045-3R5M	3.50	100KHz/0.1V	15.0	13.0	1.8 (REF)
SS10045-4R7M	4.70	100KHz/0.1V	20.0	12.0	1.8 (REF)
SS10045-6R8M	6.80	100KHz/0.1V	45.0	9.0	1.8 (REF)

ELECTRICAL CHARACTERISTICS FOR SS10050

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS10050-1R3M	1.30	100KHz/0.1V	4.0	22.0	2.8 (REF)
SS10050-1R8M	1.80	100KHz/0.1V	5.0	18.0	2.4 (REF)
SS10050-2R2M	2.20	100KHz/0.1V	9.0	17.0	2.2 (REF)
SS10050-3R5M	3.50	100KHz/0.1V	12.0	13.0	1.8 (REF)
SS10050-4R7M	4.70	100KHz/0.1V	18.0	12.0	1.8 (REF)
SS10050-6R8M	6.80	100KHz/0.1V	40.0	9.0	1.8 (REF)
SS10050-8R2M	8.20	100KHz/0.1V	50.0	7.0	1.8 (REF)

ELECTRICAL CHARACTERISTICS FOR SS12030

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS12030-R20M	0.20	100KHz/0.1V	1.5	40.0	3.0 (REF)
SS12030-R60M	0.60	100KHz/0.1V	3.5	30.0	2.4 (REF)

ELECTRICAL CHARACTERISTICS FOR SS12036

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
S12036-R20M	0.20	100KHz/0.1V	1.0	40.0	3.0 (REF)
S12036-R60M	0.60	100KHz/0.1V	2.5	30.0	2.4 (REF)
S12036-1R2M	1.20	100KHz/0.1V	3.5	21.0	2.4 (REF)

ELECTRICAL CHARACTERISTICS FOR SS12042

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS12042-R56M	0.56	100KHz/0.1V	1.5	33.0	3.0 (REF)
SS12042-1R1M	1.10	100KHz/0.1V	3.0	22.0	3.0 (REF)
SS12042-1R8M	1.80	100KHz/0.1V	4.0	16.0	2.4 (REF)
SS12042-2R5M	2.50	100KHz/0.1V	6.5	16.0	2.4 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

ELECTRICAL CHARACTERISTICS FOR SS12048

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS12048-R50M	0.50	100KHz/0.1V	1.5	36.0	3.0 (REF)
SS12048-1R0M	1.00	100KHz/0.1V	2.0	24.0	3.0 (REF)
SS12048-1R5M	1.50	100KHz/0.1V	3.5	24.0	3.0 (REF)
SS12048-2R2M	2.20	100KHz/0.1V	5.0	18.0	2.4 (REF)
SS12048-2R7M	2.70	100KHz/0.1V	7.0	18.0	2.4 (REF)

ELECTRICAL CHARACTERISTICS FOR SS12054

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS12054-1R0M	1.00	100KHz/0.1V	2.0	25.0	3.0 (REF)
SS12054-1R5M	1.50	100KHz/0.1V	2.5	25.0	3.0 (REF)
SS12054-2R2M	2.20	100KHz/0.1V	4.5	18.0	3.0 (REF)
SS12054-2R7M	2.70	100KHz/0.1V	5.0	18.0	3.0 (REF)
SS12054-3R5M	3.50	100KHz/0.1V	6.5	17.0	2.4 (REF)
SS12054-4R7M	4.70	100KHz/0.1V	8.0	15.0	2.4 (REF)

ELECTRICAL CHARACTERISTICS FOR SS12060

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS12060-R47M	0.47	100KHz/0.1V	1.0	36.0	3.0 (REF)
SS12060-1R0M	1.00	100KHz/0.1V	1.5	25.0	3.0 (REF)
SS12060-1R5M	1.50	100KHz/0.1V	2.5	25.0	3.0 (REF)
SS12060-2R2M	2.20	100KHz/0.1V	3.0	18.0	3.0 (REF)
SS12060-3R3M	3.30	100KHz/0.1V	6.0	18.0	3.0 (REF)
SS12060-4R7M	4.70	100KHz/0.1V	8.0	15.0	2.4 (REF)
SS12060-6R8M	6.80	100KHz/0.1V	12.0	14.0	2.4 (REF)

ELECTRICAL CHARACTERISTICS FOR SS12066

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS12066-R90M	0.90	100KHz/0.1V	1.5	27.0	3.0 (REF)
SS12066-1R5M	1.50	100KHz/0.1V	2.0	25.0	3.0 (REF)
SS12066-2R2M	2.20	100KHz/0.1V	3.0	18.0	3.0 (REF)
SS12066-3R3M	3.30	100KHz/0.1V	4.5	18.0	3.0 (REF)
SS12066-4R7M	4.70	100KHz/0.1V	7.0	15.0	3.0 (REF)
SS12066-6R8M	6.80	100KHz/0.1V	10.0	14.0	2.4 (REF)
SS12066-100M	10.0	100KHz/0.1V	15.0	10.0	2.4 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SS TYPE

ELECTRICAL CHARACTERISTICS FOR SS18905

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max	D (mm)
SS18905-R82M	0.82	100KHz/0.1V	0.58	65.0	4.2 (REF)
SS18905-1R3M	1.30	100KHz/0.1V	1.02	62.0	4.2 (REF)
SS18905-1R9M	1.90	100KHz/0.1V	1.30	52.0	4.2 (REF)
SS18905-2R6M	2.60	100KHz/0.1V	1.71	50.0	4.2 (REF)
SS18905-3R5M	3.50	100KHz/0.1V	3.35	37.0	4.2 (REF)
SS18905-4R5M	4.50	100KHz/0.1V	3.67	37.0	4.2 (REF)
SS18905-5R6M	5.60	100KHz/0.1V	4.00	33.0	3.2 (REF)
SS18905-6R8M	6.80	100KHz/0.1V	4.43	27.0	3.2 (REF)
SS18905-100M	10.0	100KHz/0.1V	7.45	21.5	3.2 (REF)
SS18905-150M	15.0	100KHz/0.1V	10.05	14.0	3.2 (REF)
SS18905-220M	22.0	100KHz/0.1V	15.77	11.0	3.2 (REF)
SS18905-330M	33.0	100KHz/0.1V	24.41	9.0	3.2 (REF)
SS18905-470M	47.0	100KHz/0.1V	36.72	7.0	3.2 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / ST TYPE

FEATURES

- High current, low loss of iron powder core.
- Low profile for machine placement.
- Minimize electromagnetic interference.
- Suppress common mode noise.
- Prevent EMI effect via precise impedance.
- Custom design available.

APPLICATIONS

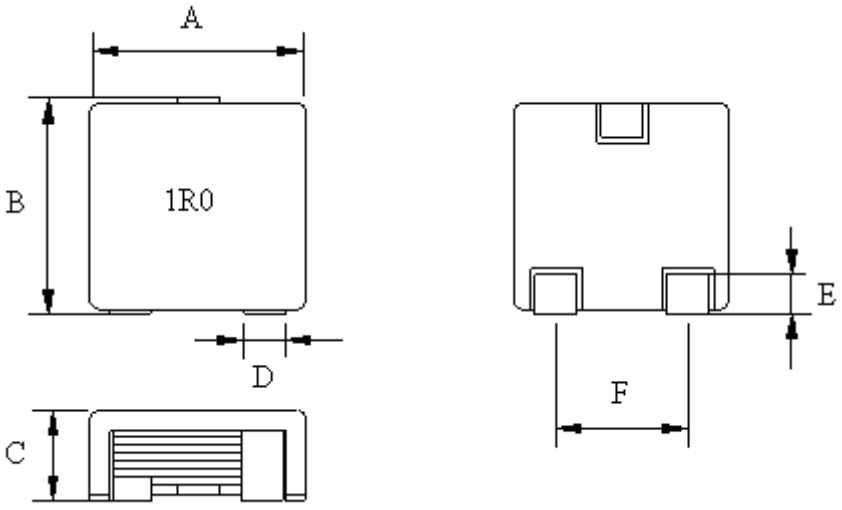
- High density DC/DC converters
- POL converters
- High current VRM/VRD for notebook/ Server/ desktop CPUs
- High speed charger

ORDERING CODE

ST □□□□□ – 1R0 □

- Tolerance (M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm (inch)

Part No.	A	B	C	D	E	F
ST12050	12.7 ± 0.4	13.5 ± 0.5	5.0 ± 0.3	2.4 ± 0.3	2.5 ± 0.5	7.8 (REF)
ST12060	12.7 ± 0.4	13.5 ± 0.5	6.0 ± 0.4	2.4 ± 0.3	2.5 ± 0.5	7.8 (REF)

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / ST TYPE

ELECTRICAL CHARACTERISTICS FOR ST12050

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
ST12050-1R0M	1.0	100KHz/0.1V	2.0	28
ST12050-1R5M	1.5	100KHz/0.1V	3.5	24
ST12050-2R2M	2.2	100KHz/0.1V	5.0	18
ST12050-3R0M	3.0	100KHz/0.1V	5.5	14.4

ELECTRICAL CHARACTERISTICS FOR ST12060

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
ST12060-1R5M	1.5	100KHz/0.1V	2.5	24
ST12060-2R0M	2.0	100KHz/0.1V	3.5	18
ST12060-2R7M	2.7	100KHz/0.1V	3.5	17
ST12060-3R3M	3.3	100KHz/0.1V	5.0	16
ST12060-4R7M	4.7	100KHz/0.1V	6.0	15

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

FEATURES

- Performance low resistance，high current rating.
- Low loss realized with low RDC.
- Low core loss.

APPLICATIONS

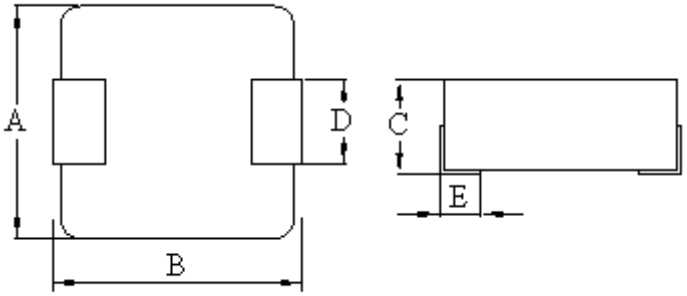
- High density DC/DC converters
- POL converters
- High current VRM/VRD for notebook/ Server/ desktop CPUs
- High speed charger

ORDERING CODE

SMPI □□□□□ – 1R0 □

- Tolerance (M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

DIMENSIONS UNIT: mm (inch)

Part No.	A	B	C	D	E
SMPI 04020	4.3 ± 0.5	4.0 ± 0.2	2.0 (MAX)	1.5 ± 0.5	0.8 ± 0.5
SMPI 05020	5.2 ± 0.5	4.7 ± 0.3	2.0 (MAX)	2.0 ± 0.5	1.0 ± 0.5
SMPI 05030	5.2 ± 0.5	4.7 ± 0.3	3.0 (MAX)	2.0 ± 0.5	1.0 ± 0.5
SMPI 06020	6.6 ± 0.3	7.2 ± 0.3	2.0 (MAX)	3.0 ± 0.3	1.6 ± 0.5
SMPI 06030	6.6 ± 0.3	7.2 ± 0.3	3.0 (MAX)	3.0 ± 0.3	1.6 ± 0.5
SMPI 06030A	6.6 ± 0.3	7.2 ± 0.3	3.0 (MAX)	3.0 ± 0.3	1.6 ± 0.5
SMPI 07050	7.2 ± 0.3	7.8 ± 0.3	5.0 (MAX)	3.0 ± 0.3	1.6 ± 0.5
SMPI 10040	10.5 ± 0.5	11.5 ±1.0	4.0 (MAX)	3.0 (REF)	2.3 (REF)
SMPI 10040A	10.5 ± 0.5	11.5 ±1.0	4.0 (MAX)	3.0 (REF)	2.3 (REF)
SMPI 10040B	10.5 ± 0.5	11.5 ±1.0	4.0 (MAX)	3.0 (REF)	2.3 (REF)
SMPI 10040C	10.5 ± 0.5	11.5 ±1.0	4.0 (MAX)	3.0 (REF)	2.3 (REF)
SMPI 10040CT	10.0 ± 0.3	11.5(MAX)	4.0 (MAX)	3.0 ± 0.5	2.5 ± 0.5
SMPI 10040DT	10.0 ± 0.3	11.5(MAX)	4.0 (MAX)	3.0 ± 0.5	2.5 ± 0.5
SMPI 10040ET	10.0 ± 0.3	11.5(MAX)	4.0 (MAX)	3.0 ± 0.5	2.5 ± 0.5
SMPI 12040	12.8 ± 0.5	13.5 ± 1.0	4.0 (MAX)	3.8 (REF)	2.5(REF)
SMPI 12050	12.8 ± 0.5	13.5 ± 1.0	5.0 (MAX)	3.8 (REF)	2.5(REF)
SMPI 12065	12.8 ± 0.5	13.5 ± 1.0	6.5 (MAX)	3.8 (REF)	2.5(REF)

ELECTRICAL CHARACTERISTICS FOR SMPI 04020

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI04020-R10M	0.10	100KHz/0.25V	4.0	22
SMPI04020-R22M	0.22	100KHz/0.25V	7.0	12.5
SMPI04020-R47M	0.47	100KHz/0.25V	13.8	9.5
SMPI04020-1R0M	1.0	100KHz/0.25V	28.0	7.0
SMPI04020-1R5M	1.5	100KHz/0.25V	36.0	6.0
SMPI04020-2R2M	2.2	100KHz/0.25V	55.0	5.0
SMPI04020-3R3M	3.3	100KHz/0.25V	87.0	4.0
SMPI04020-4R7M	4.7	100KHz/0.25V	150.0	3.0

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 05020

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI05020-R33M	0.33	100KHz/0.25V	8.0	18.0
SMPI05020-R47M	0.47	100KHz/0.25V	10.0	15.0
SMPI05020-1R0M	1.0	100KHz/0.25V	19.2	9.0
SMPI05020-1R5M	1.5	100KHz/0.25V	32.0	8.0
SMPI05020-2R2M	2.2	100KHz/0.25V	42.5	7.0
SMPI05020-3R3M	3.3	100KHz/0.25V	70.0	5.8
SMPI05020-4R7M	4.7	100KHz/0.25V	90.0	4.5
SMPI05020-5R6M	5.6	100KHz/0.25V	97.0	4.0
SMPI05020-6R8M	6.8	100KHz/0.25V	150.0	3.0

ELECTRICAL CHARACTERISTICS FOR SMPI 05030

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI0530-R10M	0.10	100KHz/0.25V	3.5	25.0
SMPI0530-R22M	0.22	100KHz/0.25V	6.0	20.0
SMPI0530-R47M	0.47	100KHz/0.25V	8.0	13.0
SMPI0530-R68M	0.68	100KHz/0.25V	13.0	14.0
SMPI0530-1R0M	1.0	100KHz/0.25V	15.0	11.0
SMPI0530-1R5M	1.5	100KHz/0.25V	25.0	10.0
SMPI0530-2R2M	2.2	100KHz/0.25V	35.0	9.0
SMPI0530-3R3M	3.3	100KHz/0.25V	38.0	7.0
SMPI0530-4R7M	4.7	100KHz/0.25V	65.0	6.0
SMPI0530-6R8M	6.8	100KHz/0.25V	120.0	4.0
SMPI0530-100M	10.0	100KHz/0.25V	130.0	3.0

ELECTRICAL CHARACTERISTICS FOR SMPI 06020

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI06020-R10M	0.10	100KHz/0.25V	3.0	45.0
SMPI06020-R33M	0.33	100KHz/0.25V	8.0	22.0
SMPI06020-R47M	0.47	100KHz/0.25V	10.0	18.0
SMPI06020-R68M	0.68	100KHz/0.25V	15.0	17.0
SMPI06020-1R0M	1.0	100KHz/0.25V	18.0	14.0
SMPI06020-2R2M	2.2	100KHz/0.25V	43.0	9.0
SMPI06020-4R7M	4.7	100KHz/0.25V	91.0	5.0
SMPI06020-6R8M	6.8	100KHz/0.25V	115.0	4.5
SMPI06020-100M	10.0	100KHz/0.25V	224.0	3.5

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 06030

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI06030-R10M	0.10	100KHz/0.25V	1.7	60
SMPI06030-R15M	0.15	100KHz/0.25V	2.5	52
SMPI06030-R20M	0.20	100KHz/0.25V	3.0	41
SMPI06030-R22M	0.22	100KHz/0.25V	2.8	40
SMPI06030-R33M	0.33	100KHz/0.25V	3.9	30
SMPI06030-R47M	0.47	100KHz/0.25V	4.2	26
SMPI06030-R68M	0.68	100KHz/0.25V	5.5	25
SMPI06030-R82M	0.82	100KHz/0.25V	8.0	24
SMPI06030-1R0M	1.0	100KHz/0.25V	10	22
SMPI06030-1R5M	1.5	100KHz/0.25V	15	18
SMPI06030-2R2M	2.2	100KHz/0.25V	20	14
SMPI06030-3R3M	3.3	100KHz/0.25V	30	13.5
SMPI06030-4R7M	4.7	100KHz/0.25V	40	10
SMPI06030-6R8M	6.8	100KHz/0.25V	60	8
SMPI06030-8R2M	8.2	100KHz/0.25V	68	7.5
SMPI06030-100M	10.0	100KHz/0.25V	105	7

ELECTRICAL CHARACTERISTICS FOR SMPI 06030A

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI06030A-1R0M	1.0	100KHz/0.25V	8	9.5
SMPI06030A-1R5M	1.5	100KHz/0.25V	12.5	8.0
SMPI06030A-2R2M	2.2	100KHz/0.25V	16.5	7.0
SMPI06030A-3R3M	3.3	100KHz/0.25V	26.0	6.5
SMPI06030A-4R7M	4.7	100KHz/0.25V	33.4	4.0
SMPI06030A-6R8M	6.8	100KHz/0.25V	46.8	4.0
SMPI06030A-8R2M	8.2	100KHz/0.25V	54.9	4.0
SMPI06030A-100M	10	100KHz/0.25V	71.2	3.5
SMPI06030A-220M	22	100KHz/0.25V	135	2.5

ELECTRICAL CHARACTERISTICS FOR SMPI 07050

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI07050-220M	22	100KHz/0.25V	140	4.0
SMPI07050-330M	33	100KHz/0.25V	150	3.5
SMPI07050-470M	47	100KHz/0.25V	249	3.0

ELECTRICAL CHARACTERISTICS FOR SMPI 10040

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10040-R19M	0.19	100KHz/0.25V	0.6	44
SMPI10040-R24M	0.24	100KHz/0.25V	0.8	38
SMPI10040-R36M	0.36	100KHz/0.25V	0.95	35
SMPI10040-R47M	0.47	100KHz/0.25V	1.4	32
SMPI10040-R56M	0.56	100KHz/0.25V	1.5	30
SMPI10040-R78M	0.78	100KHz/0.25V	1.7	25
SMPI10040-1R0M	1.0	100KHz/0.25V	2.5	21
SMPI10040-1R8M	1.8	100KHz/0.25V	5.0	15
SMPI10040-2R0M	2.0	100KHz/0.25V	5.8	14
SMPI10040-2R2M	2.2	100KHz/0.25V	6.3	16

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 10040A

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10040A-R19M	0.19	100KHz/0.25V	0.8	60
SMPI10040A-R22M	0.22	100KHz/0.25V	0.8	50
SMPI10040A-R36M	0.36	100KHz/0.25V	1.2	50
SMPI10040A-R47M	0.47	100KHz/0.25V	1.7	45
SMPI10040A-R56M	0.56	100KHz/0.25V	1.8	40
SMPI10040A-R68M	0.68	100KHz/0.25V	1.8	30
SMPI10040A-1R0M	1.0	100KHz/0.25V	3.2	30
SMPI10040A-1R2M	1.2	100KHz/0.25V	3.7	25
SMPI10040A-1R5M	1.5	100KHz/0.25V	5.0	20
SMPI10040A-2R5M	2.5	100KHz/0.25V	9.5	18

ELECTRICAL CHARACTERISTICS FOR SMPI 10040B

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10040B-R19M	0.19	100KHz/0.25V	0.95	90
SMPI10040B-R36M	0.36	100KHz/0.25V	1.4	60
SMPI10040B-R56M	0.56	100KHz/0.25V	1.9	49
SMPI10040B-1R0M	1.0	100KHz/0.25V	4.1	36
SMPI10040B-1R5M	1.5	100KHz/0.25V	5.8	27.5
SMPI10040B-2R2M	2.2	100KHz/0.25V	9.0	25.5
SMPI10040B-3R3M	3.3	100KHz/0.25V	11.8	18.6
SMPI10040B-4R7M	4.7	100KHz/0.25V	16.5	17.0
SMPI10040B-5R6M	5.6	100KHz/0.25V	19.3	16.0
SMPI10040B-6R8M	6.8	100KHz/0.25V	23.0	13.5
SMPI10040B-8R2M	8.2	100KHz/0.25V	34.0	12.5
SMPI10040B-100M	10.0	100KHz/0.25V	36.5	12.0

ELECTRICAL CHARACTERISTICS FOR SMPI 10040C

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10040C-R19M	0.19	100KHz/0.25V	0.80	46
SMPI10040C-R24M	0.24	100KHz/0.25V	0.95	44
SMPI10040C-R36M	0.36	100KHz/0.25V	1.15	30
SMPI10040C-R47M	0.47	100KHz/0.25V	1.68	30
SMPI10040C-R56M	0.56	100KHz/0.25V	1.80	22
SMPI10040C-R78M	0.78	100KHz/0.25V	1.90	22
SMPI10040C-1R0M	1.0	100KHz/0.25V	2.50	20
SMPI10040C-1R8M	1.8	100KHz/0.25V	5.00	16
SMPI10040C-2R0M	2.0	100KHz/0.25V	5.80	14
SMPI10040C-4R7M	4.7	100KHz/0.25V	14.2	7.6
SMPI10040C-6R8M	6.8	100KHz/0.25V	19.3	7.5
SMPI10040C-100M	10	100KHz/0.25V	30.5	7.1
SMPI10040C-150M	15	100KHz/0.25V	45.0	6.0
SMPI10040C-220M	22	100KHz/0.25V	66.0	4.5
SMPI10040C-330M	33	100KHz/0.25V	94.5	4.0
SMPI10040C-470M	47	100KHz/0.25V	145	3.0
SMPI10040C-101M	100	100KHz/0.25V	270	2.25

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 10040CT

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10040CT-R15M	0.15	100KHz/0.25V	0.65	75
SMPI10040CT-R19M	0.19	100KHz/0.25V	0.80	60
SMPI10040CT-R22M	0.22	100KHz/0.25V	1.00	60
SMPI10040CT-R39M	0.39	100KHz/0.25V	1.30	60
SMPI10040CT-R41M	0.41	100KHz/0.25V	1.30	60
SMPI10040CT-R45M	0.45	100KHz/0.25V	1.30	45
SMPI10040CT-R47M	0.47	100KHz/0.25V	1.80	40
SMPI10040CT-R68M	0.68	100KHz/0.25V	2.70	39
SMPI10040CT-R88M	0.88	100KHz/0.25V	3.00	38
SMPI10040CT-1R5M	1.5	100KHz/0.25V	4.20	33
SMPI10040CT-2R2M	2.2	100KHz/0.25V	7.00	27
SMPI10040CT-4R7M	4.7	100KHz/0.25V	16.5	17

ELECTRICAL CHARACTERISTICS FOR SMPI 10040DT

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10040DT-R36M	0.36	100KHz/0.25V	1.2	50
SMPI10040DT-R39M	0.39	100KHz/0.25V	1.2	45
SMPI10040DT-R45M	0.45	100KHz/0.25V	1.3	27
SMPI10040DT-R56M	0.56	100KHz/0.25V	1.8	33
SMPI10040DT-1R0M	1.0	100KHz/0.25V	3.3	28
SMPI10040DT-1R8M	1.8	100KHz/0.25V	5.0	15
SMPI10040DT-2R0M	2.0	100KHz/0.25V	5.8	14
SMPI10040DT-2R2M	2.2	100KHz/0.25V	7.0	18
SMPI10040DT-3R3M	3.3	100KHz/0.25V	11.8	16
SMPI10040DT-4R7M	4.7	100KHz/0.25V	20.0	15
SMPI10040DT-5R6M	5.6	100KHz/0.25V	23.0	14
SMPI10040DT-6R8M	6.8	100KHz/0.25V	25.0	9.0
SMPI10040DT-100M	10	100KHz/0.25V	30.0	8.5
SMPI10040DT-150M	15	100KHz/0.25V	45.0	7.0
SMPI10040DT-220M	22	100KHz/0.25V	66.0	5.5
SMPI10040DT-330M	33	100KHz/0.25V	92.0	5.0
SMPI10040DT-470M	47	100KHz/0.25V	145	3.5

ELECTRICAL CHARACTERISTICS FOR SMPI 10040ET

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI10040ET-1R0M	1.0	100KHz/0.25V	3.2	34
SMPI10040ET-2R2M	2.2	100KHz/0.25V	7.0	25.5
SMPI10040ET-3R3M	3.3	100KHz/0.25V	13.2	14.5
SMPI10040ET-4R7M	4.7	100KHz/0.25V	15.0	13
SMPI10040ET-5R6M	5.6	100KHz/0.25V	18.5	11
SMPI10040ET-6R8M	6.8	100KHz/0.25V	24.0	9.5

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 12040

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI12040-R10M	0.10	100KHz/0.25V	1.1	75
SMPI12040-R22M	0.22	100KHz/0.25V	1.4	70
SMPI12040-R33M	0.33	100KHz/0.25V	1.5	60
SMPI12040-R47M	0.47	100KHz/0.25V	1.9	55
SMPI12040-R60M	0.60	100KHz/0.25V	2.3	50
SMPI12040-R68M	0.68	100KHz/0.25V	2.5	46
SMPI12040-R82M	0.82	100KHz/0.25V	3.1	44
SMPI12040-0R9M	0.9	100KHz/0.25V	3.5	40
SMPI12040-1R0M	1.0	100KHz/0.25V	3.7	38
SMPI12040-1R2M	1.2	100KHz/0.25V	3.7	25
SMPI12040-1R5M	1.5	100KHz/0.25V	6.0	30
SMPI12040-1R8M	1.8	100KHz/0.25V	7.6	26
SMPI12040-2R2M	2.2	100KHz/0.25V	7.6	22
SMPI12040-3R3M	3.3	100KHz/0.25V	8.4	20
SMPI12040-4R7M	4.7	100KHz/0.25V	12.0	15

ELECTRICAL CHARACTERISTICS FOR SMPI 12050

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI12050-R10M	0.10	100KHz/0.25V	0.6	118
SMPI12050-R22M	0.22	100KHz/0.25V	0.8	110
SMPI12050-R33M	0.33	100KHz/0.25V	1.1	80
SMPI12050-R47M	0.47	100KHz/0.25V	1.3	65
SMPI12050-R56M	0.56	100KHz/0.25V	1.5	55
SMPI12050-R68M	0.68	100KHz/0.25V	1.7	54
SMPI12050-R82M	0.82	100KHz/0.25V	2.3	53
SMPI12050-1R0M	1.0	100KHz/0.25V	2.5	50
SMPI12050-1R2M	1.2	100KHz/0.25V	3.5	49
SMPI12050-1R5M	1.5	100KHz/0.25V	4.1	48
SMPI12050-1R8M	1.8	100KHz/0.25V	4.9	40
SMPI12050-2R2M	2.2	100KHz/0.25V	5.5	32
SMPI12050-3R3M	3.3	100KHz/0.25V	9.2	32
SMPI12050-4R7M	4.7	100KHz/0.25V	15.0	27
SMPI12050-5R6M	5.6	100KHz/0.25V	16.5	22
SMPI12050-6R8M	6.8	100KHz/0.25V	18.5	21
SMPI12050-7R8M	7.8	100KHz/0.25V	20.5	18
SMPI12050-8R2M	8.2	100KHz/0.25V	22.5	18
SMPI12050-100M	10	100KHz/0.25V	25.5	16
SMPI12050-220M	22	100KHz/0.25V	58.0	8
SMPI12050-330M	33	100KHz/0.25V	115.0	5

SURFACE MOUNT HIGH CURRENT POWER INDUCTORS /SMPI TYPE

ELECTRICAL CHARACTERISTICS FOR SMPI 12065

Part No.	Inductance (uH)	Test Frequency (MHz)	RDC (mΩ) Max	IDC (A) Max
SMPI12065-R10M	0.10	100KHz/0.25V	0.5	120
SMPI12065-R15M	0.15	100KHz/0.25V	0.6	118
SMPI12065-R22M	0.22	100KHz/0.25V	0.7	112
SMPI12065-R30M	0.30	100KHz/0.25V	0.8	72
SMPI12065-R33M	0.33	100KHz/0.25V	0.9	65
SMPI12065-R40M	0.40	100KHz/0.25V	1.0	64
SMPI12065-R47M	0.47	100KHz/0.25V	1.2	63
SMPI12065-R56M	0.56	100KHz/0.25V	1.4	62
SMPI12065-R68M	0.68	100KHz/0.25V	1.6	60
SMPI12065-R82M	0.82	100KHz/0.25V	1.9	50
SMPI12065-1R0M	1.0	100KHz/0.25V	2.0	49
SMPI12065-1R2M	1.2	100KHz/0.25V	2.5	48
SMPI12065-1R5M	1.5	100KHz/0.25V	3.0	45
SMPI12065-1R8M	1.8	100KHz/0.25V	3.2	41
SMPI12065-2R2M	2.2	100KHz/0.25V	4.2	40
SMPI12065-3R3M	3.3	100KHz/0.25V	6.8	35
SMPI12065-4R7M	4.7	100KHz/0.25V	11.2	30
SMPI12065-5R6M	5.6	100KHz/0.25V	11.2	26.5
SMPI12065-6R8M	6.8	100KHz/0.25V	14.0	16.5
SMPI12065-8R2M	8.2	100KHz/0.25V	15.5	16.0
SMPI12065-100M	10	100KHz/0.25V	16.8	15.5
SMPI12065-180M	18	100KHz/0.25V	31.0	9.5
SMPI12065-220M	22	100KHz/0.25V	40.0	12.0
SMPI12065-330M	33	100KHz/0.25V	50.0	10.0
SMPI12065-470M	4.7	100KHz/0.25V	92.0	5.0

Notes:
1) All test Data is referenced to 25℃ ambient
2) Operating Temperature Range: -55℃ to +125℃

LARGE CURRENT MULTILAYER CHIP BEADS / LCB TYPE

FEATURES

- Low DCR, small package
- high current handling capacity
- Nickel barrier terminations provide excellent solder heat resistance
- Suitable for flow and reflow soldering and high current applications

APPLICATIONS

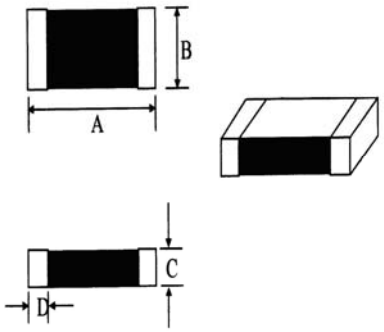
- Electronic games
- Personal computersHard disk drivers and other electronic equipments

ORDERING CODE

LCB 2012 – 120 □-N

- Note: lead-free
- Tolerance (Y:±25%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPE



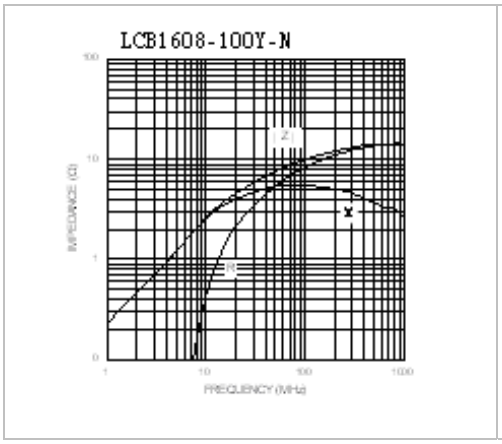
DIMENSIONS UNIT: mm (inch)

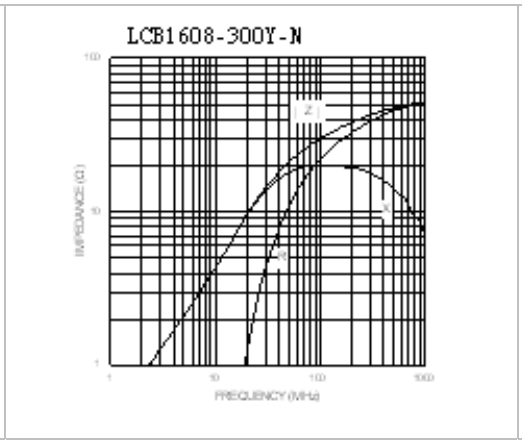
Part No.	A	B	C	D
LCB 1608 (0603)	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.3 ± 0.2
LCB 2012 (0805)	2.0 ± 0.2	1.2 ± 0.2	0.9 ± 0.2	0.5 ± 0.3
LCB 3216 (1206)	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.2	0.5 ± 0.3
LCB 4516 (1806)	4.5 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	0.5 ± 0.3
LCB 4532 (1812)	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.2	0.5 ± 0.3

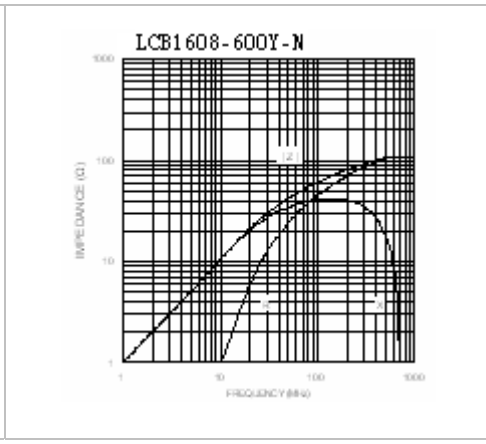
LARGE CURRENT MULTILAYER CHIP BEADS / LCB TYPE

ELECTRICAL CHARACTERISTICS

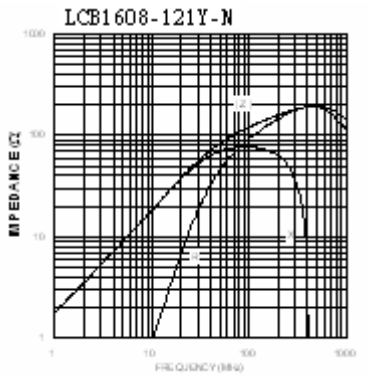
Part No.	Impedance (Ω) AT 100MHz	DC Resistance (Ω) Max	Rated Current (A) Max
LCB 1608-100 □-N	10	0.030	4.0
LCB 1608-300 □-N	30	0.050	3.0
LCB 1608-600 □-N	60	0.050	3.0
LCB 1608-121 □-N	120	0.100	2.0
LCB 1608-221 □-N	220	0.150	1.5
LCB 1608-301□-N	300	0.150	1.5
LCB 1608-601□-N	600	0.300	1.0
LCB 2012-110 □-N	11	0.010	6.0
LCB 2012-170 □-N	17	0.010	6.0
LCB 2012-220 □-N	22	0.010	6.0
LCB 2012-300 □-N	30	0.030	4.0
LCB 2012-600 □-N	60	0.050	3.0
LCB 2012-121 □-N	120	0.080	2.5
LCB 2012-221 □-N	220	0.100	2.0
LCB 2012-301 □-N	300	0.100	2.0
LCB 2012-601 □-N	600	0.300	1.0
LCB 2012-102 □-N	1000	0.300	1.0
LCB 3216-310 □-N	31	0.010	6.0
LCB 3216-500 □-N	50	0.025	3.0
LCB 3216-121 □-N	120	0.080	2.5
LCB 3216-301 □-N	300	0.080	2.5
LCB 3216-601 □-N	600	0.100	2.0
LCB 3216-102 □-N	1000	0.200	1.5
LCB 4516-600 □-N	60	0.010	6.0
LCB 4516-750 □-N	75	0.050	3.0
LCB 4516-800 □-N	80	0.050	3.0
LCB 4516-471 □-N	470	0.090	2.0
LCB 4532-700 □-N	70	0.030	6.0
LCB 4532-121 □-N	120	0.050	3.0

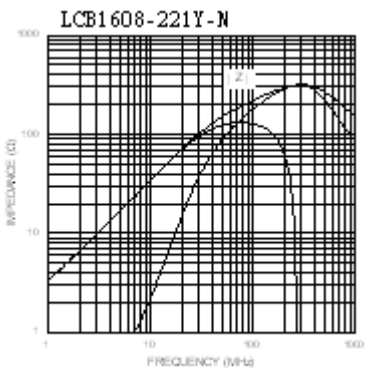


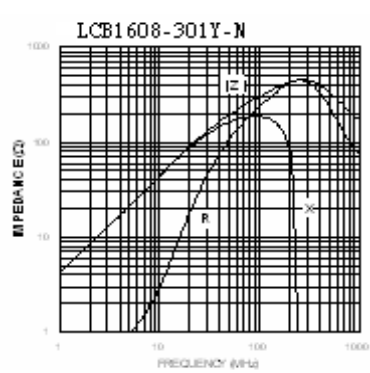


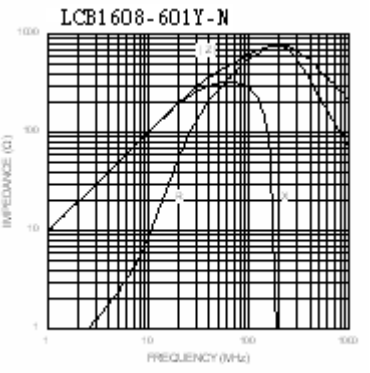


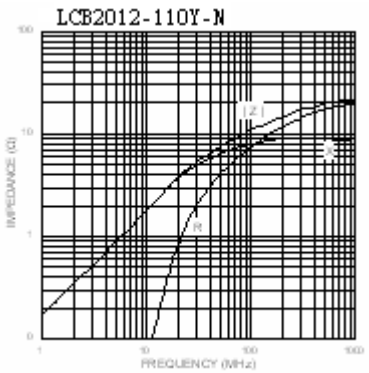
LARGE CURRENT MULTILAYER CHIP BEADS / LCB TYPE

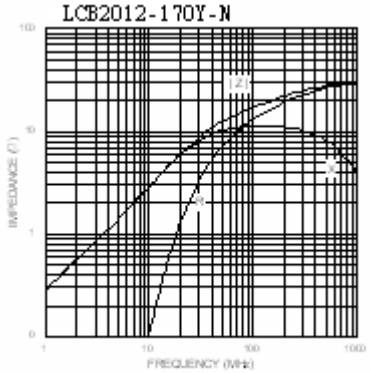


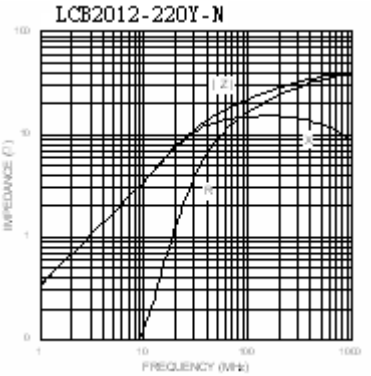


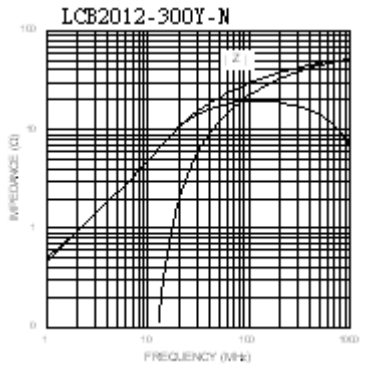


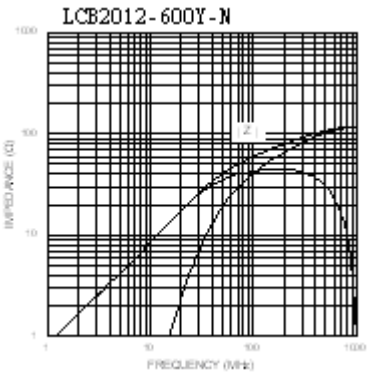


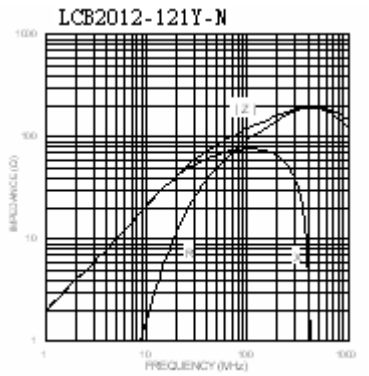


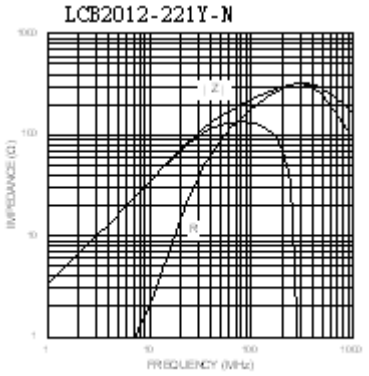


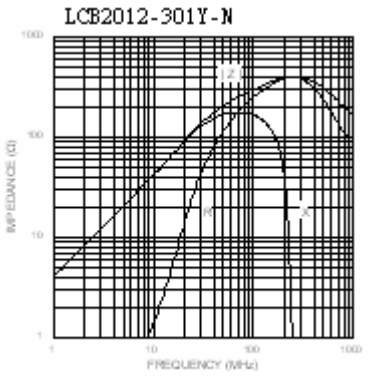




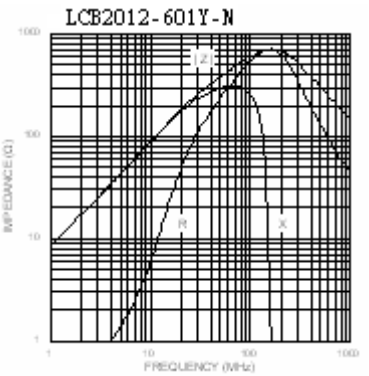


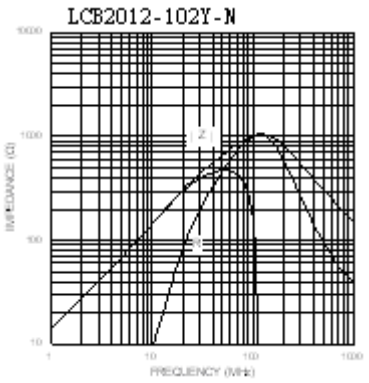


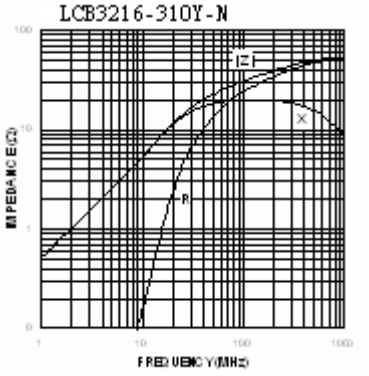


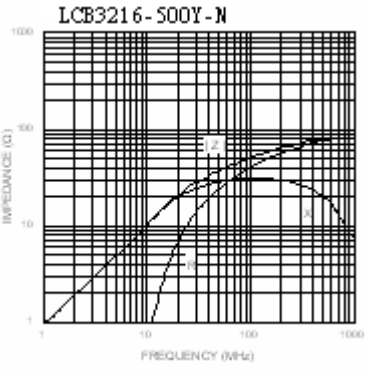


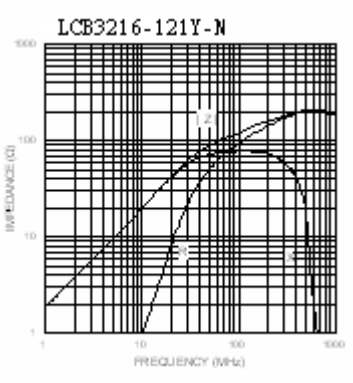
LARGE CURRENT MULTILAYER CHIP BEADS / LCB TYPE

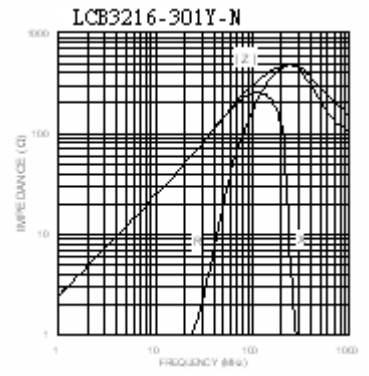


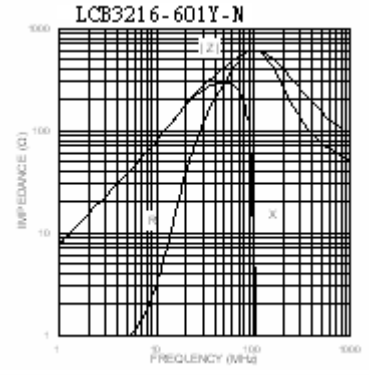


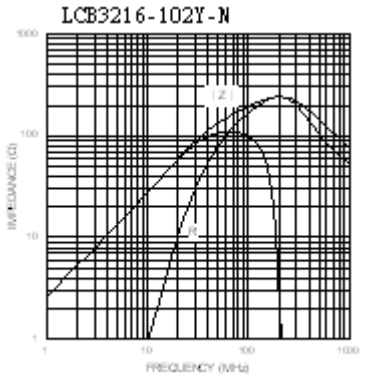


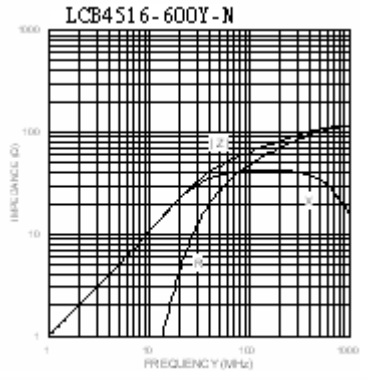


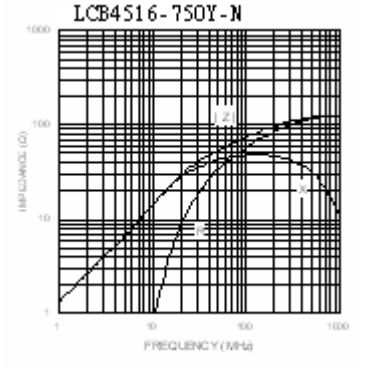


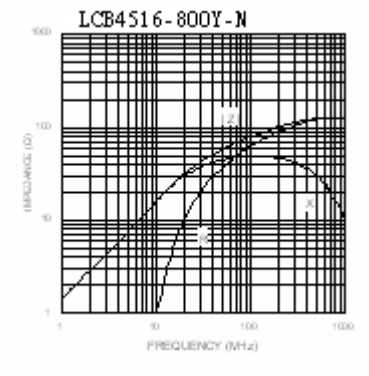


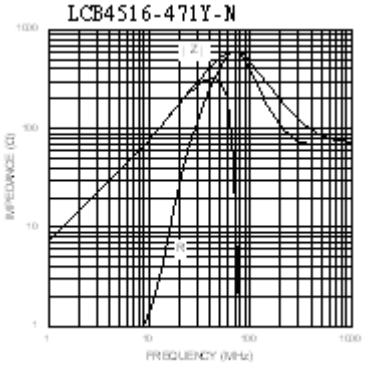




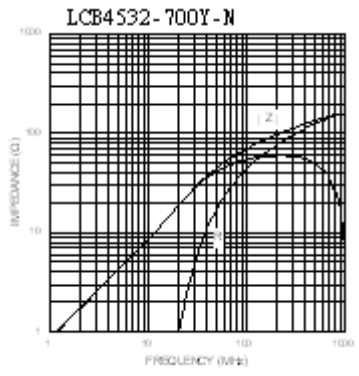


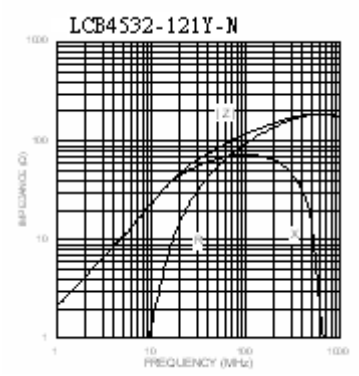






LARGE CURRENT MULTILAYER CHIP BEADS / LCB TYPE





MULTILAYER CHIP INDUCTORS / CL TYPE

FEATURES

- High mounting density of compact circuit due to crosstalk elimination that results from a closed magnetic flux in a ferrite material
- Suitable for flow and re-flow soldering
- Available in 4 sizes

APPLICATIONS

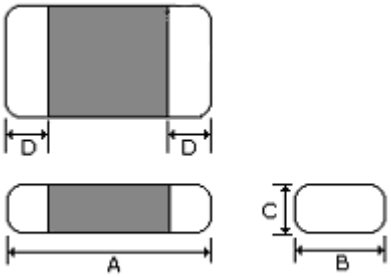
- Personal computers, HDDs, or other various electronic appliances.
- Any general circuit of portable equipment in which compact size and high mounting densities are required.

ORDERING CODE

CL 1608 – 8R2 □- N

- N: Note: lead-free
- □: Tolerance (K:±10%, M:±20%)
- 8R2: Inductance
- 1608: Dimension (AxB)
- CL: Product Symbol

SHAPES



DIMENSIONS UNIT: mm (inch)

Part No.	Dimensions			
	A	B	C	D
CL 1608 (0603)	1.60 ± 0.15	0.80 ± 0.15	0.80 ± 0.15	0.30 ± 0.20
CL 2012 (0805)	2.00 ± 0.20	1.25 ± 0.20	0.85 ± 0.20 or 1.25 ± 0.20	0.50 ± 0.30
CL 3216 (1206)	3.20 ± 0.20	1.60 ± 0.20	1.10 ± 0.30	0.50 ± 0.30

MULTILAYER CHIP INDUCTORS / CL TYPE

ELECTRICAL CHARACTERISTICS FOR CL1608

Part No.	Inductance (uH)	Test Freq. (MHz) 60mV	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
CL 1608-47N □-N	0.047	50	10	260	0.30	50
CL 1608-68N □-N	0.068	50	10	250	0.30	50
CL 1608-82N □-N	0.082	50	10	245	0.30	50
CL 1608-R10 □-N	0.10	25	15	240	0.50	50
CL 1608-R12 □-N	0.12	25	15	205	0.50	50
CL 1608-R15 □-N	0.15	25	15	180	0.60	50
CL 1608-R18 □-N	0.18	25	15	165	0.60	50
CL 1608-R22 □-N	0.22	25	15	150	0.80	50
CL 1608-R27 □-N	0.27	25	15	136	0.80	50
CL 1608-R33 □-N	0.33	25	15	125	0.85	35
CL 1608-R39 □-N	0.39	25	15	110	1.00	35
CL 1608-R47 □-N	0.47	25	15	105	1.35	35
CL 1608-R56 □-N	0.56	25	15	95	1.50	35
CL 1608-R68 □-N	0.68	25	15	85	1.70	35
CL 1608-R82 □-N	0.82	25	15	75	2.10	35
CL 1608-1R0 □-N	1.0	10	30	65	0.60	25
CL 1608-1R2 □-N	1.2	10	30	60	0.80	25
CL 1608-1R5 □-N	1.5	10	30	55	0.80	25
CL 1608-1R8 □-N	1.8	10	30	50	0.95	25
CL 1608-2R2 □-N	2.2	10	30	45	1.15	15
CL 1608-2R7 □-N	2.7	10	30	40	1.35	15
CL 1608-3R3 □-N	3.3	10	30	38	1.55	15
CL 1608-3R9 □-N	3.9	10	30	36	1.70	15
CL 1608-4R7 □-N	4.7	10	30	33	2.10	15
CL 1608-5R6 □-N	5.6	4	30	22	1.55	15
CL 1608-6R8 □-N	6.8	4	30	20	1.70	15
CL 1608-8R2 □-N	8.2	4	30	18	2.10	15
CL 1608-100 □-N	10	2	30	17	2.55	15

MULTILAYER CHIP INDUCTORS / CL TYPE

ELECTRICAL CHARACTERISTICS FOR CL2012

Part No.	Inductance (uH)	Test Freq. (MHz) 60mV	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
CL 2012-47N □-N	0.047	50	15	320	0.20	300
CL 2012-68N □-N	0.068	50	15	280	0.20	300
CL 2012-82N □-N	0.082	50	15	255	0.20	300
CL 2012-R10 □-N	0.10	25	20	235	0.30	250
CL 2012-R12 □-N	0.12	25	20	220	0.30	250
CL 2012-R15 □-N	0.15	25	20	200	0.40	250
CL 2012-R18 □-N	0.18	25	20	185	0.40	250
CL 2012-R22 □-N	0.22	25	20	170	0.50	250
CL 2012-R27 □-N	0.27	25	20	150	0.50	250
CL 2012-R33 □-N	0.33	25	20	145	0.55	250
CL 2012-R39 □-N	0.39	25	25	135	0.65	200
CL 2012-R47 □-N	0.47	25	25	125	0.65	200
CL 2012-R56 □-N	0.56	25	25	115	0.75	150
CL 2012-R68 □-N	0.68	25	25	105	0.80	150
CL 2012-R82 □-N	0.82	25	25	100	1.00	150
CL 2012-1R0 □-N	1.0	10	45	75	0.40	50
CL 2012-1R2 □-N	1.2	10	45	65	0.50	50
CL 2012-1R5 □-N	1.5	10	45	60	0.50	50
CL 2012-1R8 □-N	1.8	10	45	55	0.60	50
CL 2012-2R2 □-N	2.2	10	45	50	0.65	30
CL 2012-2R7 □-N	2.7	10	45	45	0.75	30
CL 2012-3R3 □-N	3.3	10	45	41	0.80	30
CL 2012-3R9 □-N	3.9	10	45	38	0.90	30
CL 2012-4R7 □-N	4.7	10	45	35	1.00	30
CL 2012-5R6 □-N	5.6	4	45	32	0.90	15
CL 2012-6R8 □-N	6.8	4	45	29	1.00	15
CL 2012-8R2 □-N	8.2	4	45	26	1.10	15
CL 2012-100 □-N	10	2	45	24	1.15	15

MULTILAYER CHIP INDUCTORS / CL TYPE

ELECTRICAL CHARACTERISTICS FOR CL3216

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
CL 3216-47N □-N	0.047	50	20	320	0.15	300
CL 3216-68N □-N	0.068	50	20	280	0.25	300
CL 3216-82N □-N	0.082	50	20	260	0.25	300
CL 3216-R10 □-N	0.10	25	25	235	0.25	250
CL 3216-R12 □-N	0.12	25	25	220	0.30	250
CL 3216-R15 □-N	0.15	25	25	200	0.30	250
CL 3216-R18 □-N	0.18	25	25	185	0.40	250
CL 3216-R22 □-N	0.22	25	25	170	0.40	250
CL 3216-R27 □-N	0.27	25	25	150	0.50	250
CL 3216-R33 □-N	0.33	25	25	145	0.50	250
CL 3216-R39 □-N	0.39	25	25	135	0.60	250
CL 3216-R47 □-N	0.47	25	25	125	0.60	200
CL 3216-R56 □-N	0.56	25	25	115	0.70	200
CL 3216-R68 □-N	0.68	25	25	105	0.80	150
CL 3216-R82 □-N	0.82	25	25	100	0.90	150
CL 3216-1R0 □-N	1.0	10	45	75	0.40	100
CL 3216-1R2 □-N	1.2	10	45	65	0.50	100
CL 3216-1R5 □-N	1.5	10	45	60	0.50	50
CL 3216-1R8 □-N	1.8	10	45	55	0.50	50
CL 3216-2R2 □-N	2.2	10	45	50	0.60	50
CL 3216-2R7 □-N	2.7	10	45	45	0.60	50
CL 3216-3R3 □-N	3.3	10	45	41	0.70	50
CL 3216-3R9 □-N	3.9	10	45	38	0.80	50
CL 3216-4R7 □-N	4.7	10	45	35	0.90	50
CL 3216-5R6 □-N	5.6	4	50	32	0.70	25
CL 3216-6R8 □-N	6.8	4	50	29	0.80	25
CL 3216-8R2 □-N	8.2	4	50	26	0.90	25
CL 3216-100 □-N	10	4	50	24	1.00	25

MULTILAYER CHIP INDUCTORS HIGH CURRENT / CL(C) TYPE

FEATURES

- High mounting density of compact circuit due to crosstalk elimination that results from a closed magnetic flux in a ferrite material
- Suitable for flow and re-flow soldering
- Available in 4 sizes

APPLICATIONS

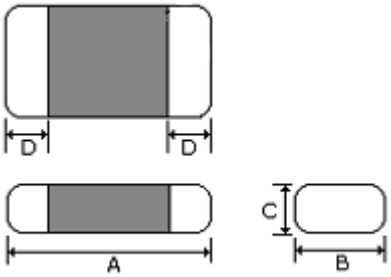
- Personal computers, HDDs, or other various electronic appliances.
- Any general circuit of portable equipment in which compact size and high mounting densities are required.

ORDERING CODE

CL 2012C 1R0 □- N

- Note: lead-free
- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm (inch)

Part No.	Dimensions			
	A	B	C	D
CL 2012C (0805)	2.00 ± 0.20	1.25 ± 0.20	1.0 ± 30%	0.50 ± 0.30
CL 2016C (0806)	2.00 ± 0.20	1.60 ± 0.20	1.0 ± 30%	0.50 ± 0.30
CL 2520C (1008)	2.50 ± 0.20	2.00 ± 0.20	0.6 ± 30%	0.50 ± 0.30
CL 3216C (1206)	3.20 ± 0.20	1.60 ± 0.20	0.6 ± 30%	0.50 ± 0.30
CL 3225C (1210)	3.20 ± 0.20	2.50 ± 0.20	1.0 ± 30%	0.50 ± 0.30

MULTILAYER CHIP INDUCTORS HIGH CURRENT / CL(C) TYPE

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (uH)	Test Freq. (MHz)	DC Resistance (Ω) 30%	Rated Current (A) Max
CL2012C-1R0M-N	1.0	1	0.18	1.00
CL2012C-1R5M-N	1.5	1	0.20	0.90
CL2012C-2R2M-N	2.2	1	0.23	0.80
CL2012C-3R3M-N	3.3	1	0.23	0.80
CL2012C-4R7M-N	4.7	1	0.23	0.80
CL2016C-1R0M-N	1.0	1	0.12	1.30
CL2016C-1R5M-N	1.5	1	0.12	1.30
CL2016C-2R2M-N	2.2	1	0.14	1.20
CL2016C-3R3M-N	3.3	1	0.18	1.00
CL2016C-4R7M-N	4.7	1	0.23	0.90
CL2520C-1R0M-N	1.0	1	0.10	1.50
CL2520C-1R5M-N	1.5	1	0.12	1.40
CL2520C-2R2M-N	2.2	1	0.14	1.30
CL2520C-3R3M-N	3.2	1	0.18	1.20
CL2520C-4R7M-N	4.7	1	0.23	1.00
CL2520C-6R8M-N	6.8	1	0.25	0.90
CL2520C-100M-N	10	1	0.30	0.80
CL3216C-1R0M-N	1.0	1	0.18	1.10
CL3216C-2R7M-N	2.7	1	0.20	1.00
CL3216C-3R3M-N	3.3	1	0.25	0.90
CL3216C-4R7M-N	4.7	1	0.35	0.70
CL3225C-1R0M-N	1.0	1	0.10	1.30
CL3225C-1R5M-N	1.5	1	0.12	1.30
CL3225C-2R2M-N	2.2	1	0.15	1.20
CL3225C-3R3M-N	3.3	1	0.17	1.10
CL3225C-4R7M-N	4.7	1	0.20	1.00
CL3225C-100M-N	10	1	0.35	0.80

MULTILAYER HIGH FREQUENCY CHIP INDUCTORS / HCL TYPE

FEATURES

- Cost Effective
- Small size of 1005/1608 is suitable for small portable equipment.
- Supports operating frequency up to 6GHz with nominal inductance values from 1.0nH to 330nH.
- Excellent Q factor and SRF characteristics.

APPLICATIONS

- Information technology equipments, computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, PDAs, keyless remote systems.
- Use in L-C filter configurations

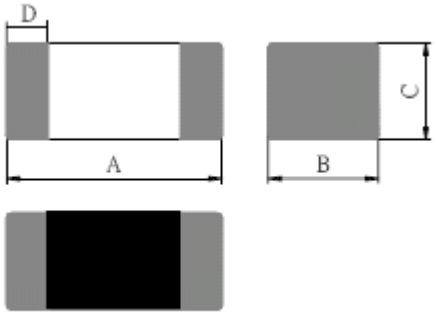
ORDERING CODE (HIGH FREQUENCY)

HCL 1608 - 100 □- N

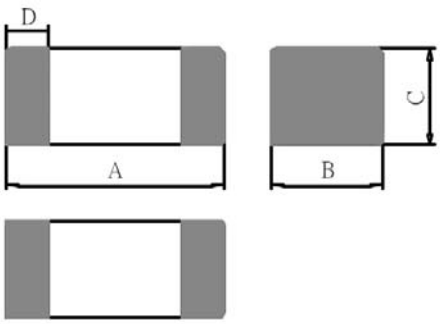
- Note: lead-free
- Tolerance (S:±0.3nH, J:±5%, K:±10%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES

HCL1005 / 1608



HCL2012



DIMENSIONS UNIT: mm (inch)

Part No.	Dimensions			
	A	B	C	D
HCL 1005 (0402)	1.00 ± 0.10	0.50 ± 0.10	0.50 ± 0.10	0.25 ±0.10
HCL 1608 (0603)	1.60 ± 0.15	0.80 ± 0.15	0.80 ± 0.15	0.30 ±0.20
HCL 2012 (0805)	2.00 ± 0.20	1.25 ± 0.20	0.85 ± 0.20 or 1.25 ± 0.20	0.50 ±0.30

MULTILAYER HIGH FREQUENCY CHIP INDUCTORS / HCL TYPE

ELECTRICAL CHARACTERISTICS FOR HCL1005

Part No.	Inductance (nH)	Q Min At 100MHz	Self Resonant Freq. (MHz) MIN.	DC Resistance (Ω) Max	Rated Current (mA) Max
HCL 1005-1N0 □-N	1.0	8	10000	0.09	300
HCL 1005-1N2 □-N	1.2	8	10000	0.09	300
HCL 1005-1N5 □-N	1.5	8	6000	0.12	300
HCL 1005-1N8 □-N	1.8	8	6000	0.12	300
HCL 1005-2N2 □-N	2.2	8	6000	0.14	300
HCL 1005-2N7 □-N	2.7	8	6000	0.14	300
HCL 1005-3N3 □-N	3.3	8	6000	0.16	300
HCL 1005-3N9 □-N	3.9	8	4000	0.19	300
HCL 1005-4N7 □-N	4.7	8	4000	0.21	300
HCL 1005-5N6 □-N	5.6	8	4000	0.23	300
HCL 1005-6N8 □-N	6.8	8	3900	0.25	300
HCL 1005-8N2 □-N	8.2	8	3600	0.28	300
HCL 1005-10N □-N	10	8	3200	0.31	300
HCL 1005-12N □-N	12	8	2700	0.40	300
HCL 1005-15N □-N	15	8	2300	0.50	300
HCL 1005-18N □-N	18	8	2100	0.55	300
HCL 1005-22N □-N	22	8	1900	0.60	300
HCL 1005-27N □-N	27	8	1600	0.70	300
HCL 1005-33N □-N	33	8	1300	0.80	300
HCL 1005-39N □-N	39	8	1200	1.00	200
HCL 1005-47N □-N	47	8	1000	1.20	200
HCL 1005-56N □-N	56	8	750	1.30	200
HCL 1005-68N □-N	68	8	750	2.00	180

MULTILAYER HIGH FREQUENCY CHIP INDUCTORS / HCL TYPE

ELECTRICAL CHARACTERISTICS FOR HCL1608

Part No.	Inductance (nH)	Q Min At 100MHz	Self Resonant Freq. (MHz) MIN.	DC Resistance (Ω) Max	Rated Current (mA) Max
HCL 1608-1N0 □-N	1.0	8	10000	0.05	300
HCL 1608-1N2 □-N	1.2	8	10000	0.05	300
HCL 1608-1N5 □-N	1.5	8	6000	0.10	300
HCL 1608-1N8 □-N	1.8	8	6000	0.10	300
HCL 1608-2N2 □-N	2.2	8	6000	0.10	300
HCL 1608-2N7 □-N	2.7	10	6000	0.10	300
HCL 1608-3N3 □-N	3.3	10	6000	0.12	300
HCL 1608-3N9 □-N	3.9	10	6000	0.14	300
HCL 1608-4N7 □-N	4.7	10	4000	0.16	300
HCL 1608-5N6 □-N	5.6	10	4000	0.18	300
HCL 1608-6N8 □-N	6.8	10	4000	0.22	300
HCL 1608-8N2 □-N	8.2	10	3500	0.24	300
HCL 1608-10N □-N	10	12	3400	0.26	300
HCL 1608-12N □-N	12	12	2600	0.28	300
HCL 1608-15N □-N	15	12	2300	0.32	300
HCL 1608-18N □-N	18	12	2000	0.35	300
HCL 1608-22N □-N	22	12	1600	0.40	300
HCL 1608-27N □-N	27	12	1400	0.45	300
HCL 1608-33N □-N	33	12	1200	0.55	300
HCL 1608-39N □-N	39	12	1100	0.60	300
HCL 1608-47N □-N	47	12	900	0.70	300
HCL 1608-56N □-N	56	12	900	0.75	300
HCL 1608-68N □-N	68	12	700	0.85	300
HCL 1608-82N □-N	82	12	600	0.95	300
HCL 1608-R10 □-N	100	12	600	1.00	300
HCL 1608-R12 □-N	120	8	500	1.20	300
HCL 1608-R15 □-N	150	8	500	1.20	300
HCL 1608-R18 □-N	180	8	400	1.30	300

MULTILAYER HIGH FREQUENCY CHIP INDUCTORS / HCL TYPE

ELECTRICAL CHARACTERISTICS FOR HCL2012

Part No.	Inductance (nH)	Q Min At 100MHz	Self Resonant Freq. (MHz) MIN.	DC Resistance (Ω) Max	Rated Current (mA) Max
HCL 2012-1N5 □-N	1.5	10	4000	0.10	300
HCL 2012-1N8 □-N	1.8	10	4000	0.10	300
HCL 2012-2N2 □-N	2.2	10	4000	0.10	300
HCL 2012-2N7 □-N	2.7	12	4000	0.10	300
HCL 2012-3N3 □-N	3.3	12	4000	0.13	300
HCL 2012-3N9 □-N	3.9	12	4000	0.15	300
HCL 2012-4N7 □-N	4.7	12	3500	0.20	300
HCL 2012-5N6 □-N	5.6	12	3200	0.23	300
HCL 2012-6N8 □-N	6.8	15	2800	0.25	300
HCL 2012-8N2 □-N	8.2	15	2400	0.28	300
HCL 2012-10N □-N	10	15	2100	0.30	300
HCL 2012-12N □-N	12	15	1900	0.35	300
HCL 2012-15N □-N	15	15	1600	0.40	300
HCL 2012-18N □-N	18	15	1500	0.45	300
HCL 2012-22N □-N	22	18	1400	0.50	300
HCL 2012-27N □-N	27	18	1300	0.55	300
HCL 2012-33N □-N	33	18	1200	0.60	300
HCL 2012-39N □-N	39	18	1000	0.65	300
HCL 2012-47N □-N	47	18	900	0.70	300
HCL 2012-56N □-N	56	18	800	0.75	300
HCL 2012-68N □-N	68	18	700	0.80	300
HCL 2012-82N □-N	82	18	600	0.90	300
HCL 2012-R10 □-N	100	18	600	0.90	300

SMD COMMON MODE CHOKE / WCB TYPE

FEATURES

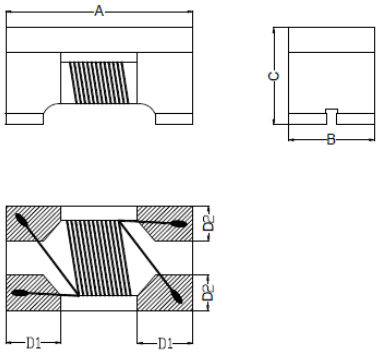
Miniature SMD type common mode filter for fully automated assembly.
Wide impedance rage (90Ω~2200Ω) for noise suppression.
Excellent Solderability.

ORDERING CODE

WCB 2012 - 900 Y-N

- Note: lead-free
- Tolerance (Y:±25%)
- Impedance
- Dimension (AxB)
- SMD Common Mode

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (±0.2)	B (±0.2)	C (±0.2)	D1 (Ref.)	D2 (Ref.)
WCB 2012	2.00	1.20	1.20	0.55	0.46
WCB 3216	3.20	1.60	2.00	0.50	0.50

ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)100MHz	DC Resistance (Ω) Max	Rated Current (mA)Max
WCB 2012-900Y-N	90	0.30	400
WCB 2012-121Y-N	120	0.15	400
WCB 2012-161Y-N	160	0.35	350
WCB 2012-221Y-N	220	0.40	300
WCB 3216-900Y-N	90	0.30	400
WCB 3216-161Y-N	160	0.35	350
WCB 3216-221Y-N	220	0.45	300

CORE MASTER ENTERPRISE CO., LTD.
http://www.coremaster.com.tw

SMD COMMON MODE CHOKE / WCB(B/D/H) TYPE

FEATURES

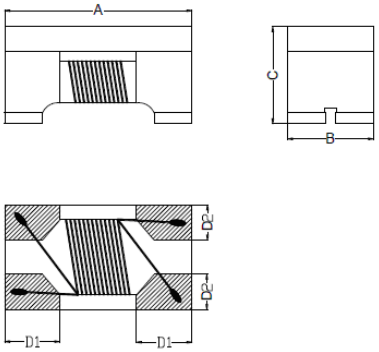
High common mode impedance at noise band and low differential mode impedance at signal band. Due to the low differential mode impedance with high coupling factor, there is almost no distortion on high speed transmission of high resolution video signals.

ORDERING CODE

WCB 1210 H – 240 □ -N

- Note: lead-free
- Tolerance (Y:±25%)
- Impedance
- Type:
  D=HDMI Sink
  H=HDMI Source
  B=Super Speed USB3.0
- Dimension
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C	D1 (Ref.)	D2 (Ref.)
WCB 1210	1.20 ± 0.2	1.00 ± 0.2	1.00 MAX	0.35	0.35
WCB 2012	2.00 ± 0.2	1.20 ± 0.2	1.20 ± 0.2	0.50	0.45

SMD COMMON MODE CHOKE / WCB(B/D/H) TYPE

ELECTRICAL CHARACTERISTICS FOR WCB 1210H/B

Part No.	Impedance (Ω)100MHz	DC Resistance (Ω) Max	Rated Current (mA)Max
WCB1210H-900Y-N	90(REF)	0.50	280
WCB1210B-600Y-N	60(REF)	0.40	300

ELECTRICAL CHARACTERISTICS FOR WCB 2012B/D/H

Part No.	Impedance (Ω)100MHz	DC Resistance (Ω) Max	Rated Current (mA)Max
WCB2012B-600Y-N	60(REF)	0.30	350
WCB2012B-900Y-N	60-100	0.30	350
WCB2012D-900Y-N	65-100	0.30	300
WCB2012H-900Y-N	65-100	0.30	300

SMD MULTILAYER FERRITE CHIP BEADS / CB TYPE

FEATURES

- Suitable for flow and reflow soldering
- Impedance over a broad frequency range
- Standard type used to suppress lower-frequency, lower current signals

APPLICATIONS

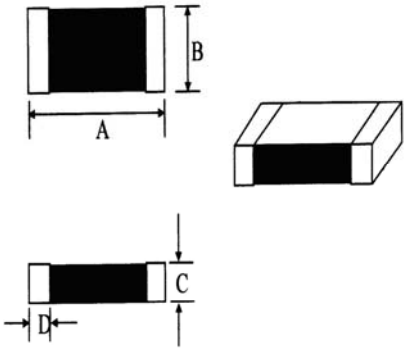
- Consumer electronic products
- Computer and peripheral products
- I/O ports, DC power lines and Signal lines

ORDERING CODE

CB 1005 - 060 □ -N

- Note: lead-free
- Tolerance (Y:±25%)
- Impedance
- Dimension (AxB)
- Product Symbol

SHAPE



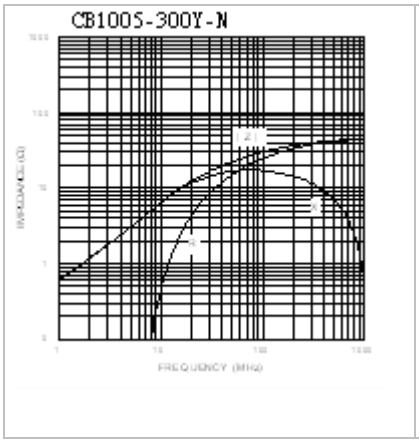
DIMENSIONS UNIT: mm (inch)

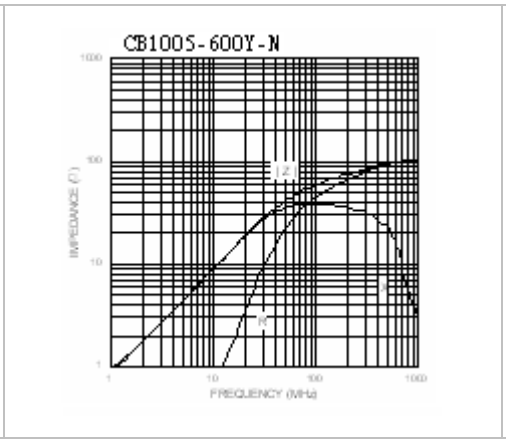
Part No.	A	B	C	D
CB 1005 (0402)	1.0 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.25 ± 0.15
CB 1608 (0603)	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.30 ± 0.20
CB 2012 (0805)	2.0 ± 0.2	1.2 ± 0.2	0.9 ± 0.2	0.50 ± 0.30
CB 3216 (1206)	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.2	0.50 ± 0.30
CB 4516 (1806)	4.5 ± 0.2	1.6 ± 0.2	1.6 ± 0.2	0.50 ± 0.30

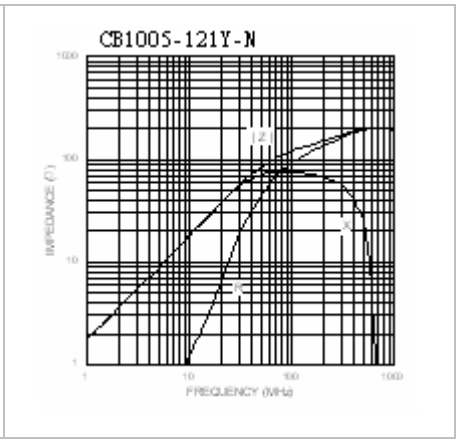
SMD MULTILAYER FERRITE CHIP BEADS / CB TYPE

ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω) At 100MHz	DCR (Ω) Max	IDC (mA) Max	Part No.	Impedance (Ω) At 100MHz	DCR (Ω) Max	IDC (mA) Max
CB1005-300□-N	30	0.30	500	CB2012-151□-N	150	0.25	300
CB1005-600□-N	60	0.40	200	CB2012-221□-N	220	0.30	200
CB1005-121□-N	120	0.50	200	CB2012-301□-N	300	0.30	200
CB1005-221□-N	220	0.70	100	CB2012-501□-N	500	0.30	200
CB1005-301□-N	300	0.80	100	CB2012-601□-N	600	0.35	200
CB1005-451□-N	450	0.90	100	CB2012-102□-N	1000	0.45	200
CB1005-601□-N	600	1.00	100	CB3216-310□-N	31	0.20	500
CB1005-102□-N	1000	1.50	50	CB3216-600□-N	60	0.30	400
CB1608-090□-N	9	0.20	500	CB3216-900□-N	90	0.30	300
CB1608-300□-N	30	0.20	400	CB3216-151□-N	150	0.30	300
CB1608-600□-N	60	0.20	300	CB3216-301□-N	300	0.30	300
CB1608-800□-N	80	0.20	300	CB3216-601□-N	600	0.30	200
CB1608-121□-N	120	0.20	200	CB3216-122□-N	1200 (at 50 MHz)	0.50	100
CB1608-221□-N	220	0.20	200	CB3216-152□-N	1500 (at 50 MHz)	0.50	100
CB1608-301□-N	300	0.35	200	CB3216-202□-N	2000 (at 30 MHz)	0.60	100
CB1608-451□-N	450	0.40	200	CB4516-600□-N	60	0.10	500
CB1608-601□-N	600	0.45	200	CB4516-151□-N	150	0.30	300
CB1608-102□-N	1000	0.60	100				
CB2012-110□-N	11	0.15	600				
CB2012-320□-N	32	0.15	400				
CB2012-800□-N	80	0.15	300				
CB2012-121□-N	120	0.25	300				

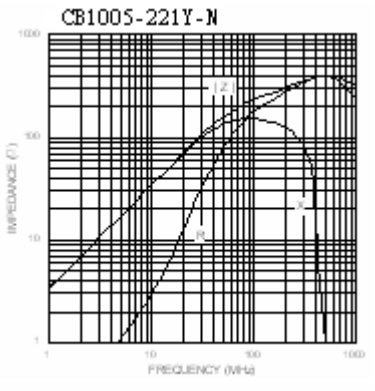




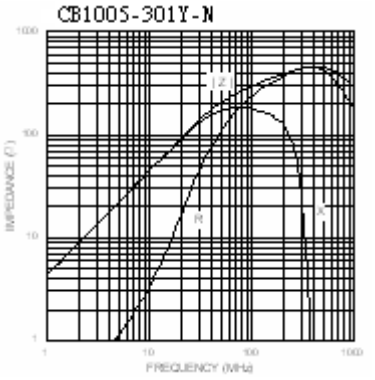


SMD MULTILAYER FERRITE CHIP BEADS / CB TYPE

CB1005-221Y-N



CB1005-301Y-N



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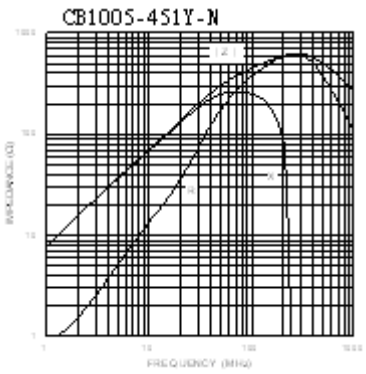
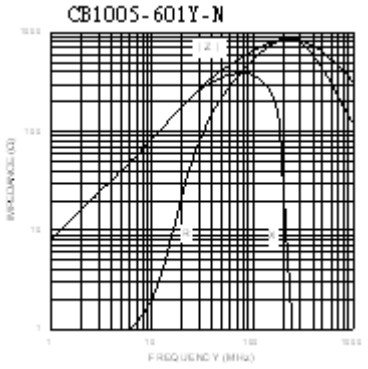


CB1005-601Y-N



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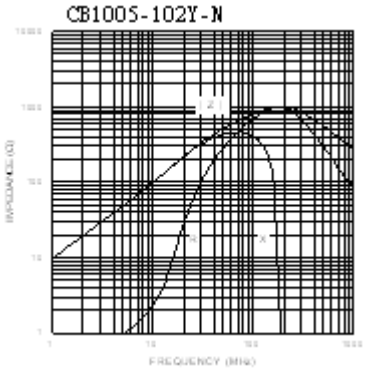
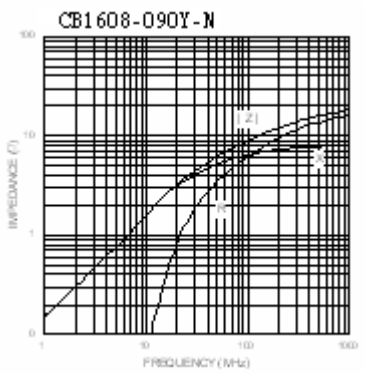


CB1608-090Y-N



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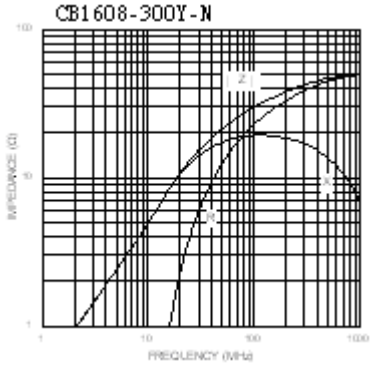

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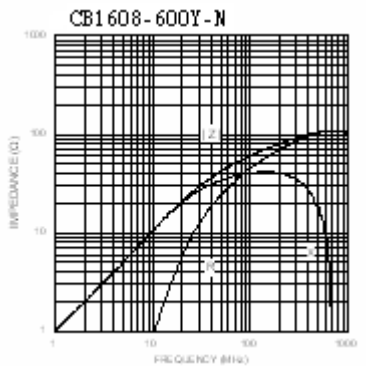

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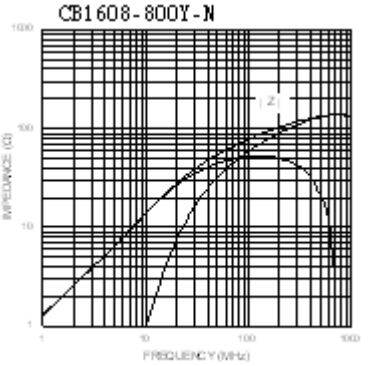

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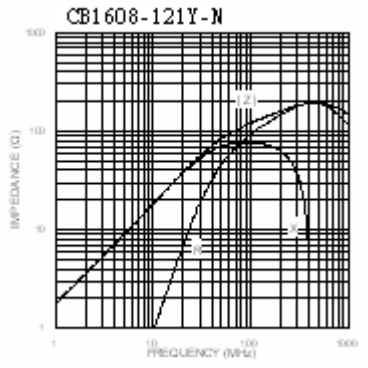

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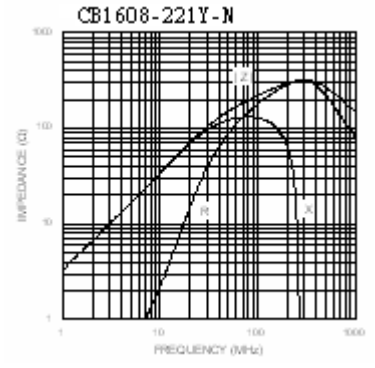

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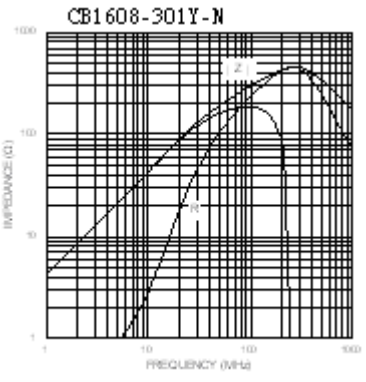
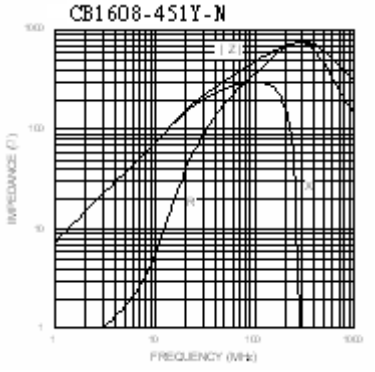


SMD MULTILAYER FERRITE CHIP BEADS / CB TYPE

CB1608-451Y-N



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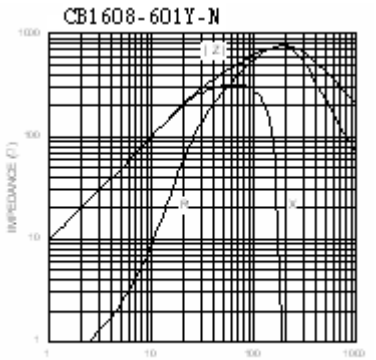

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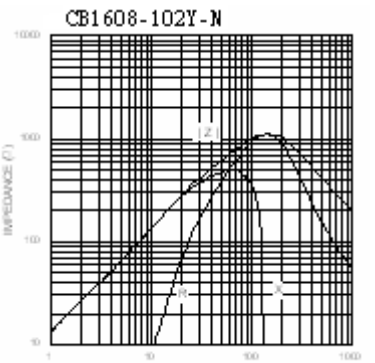
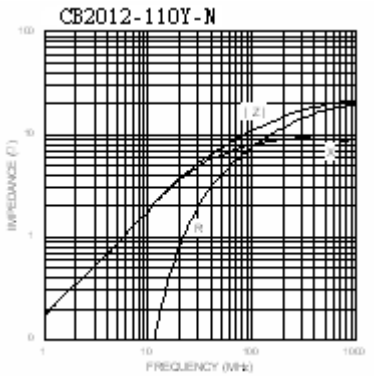
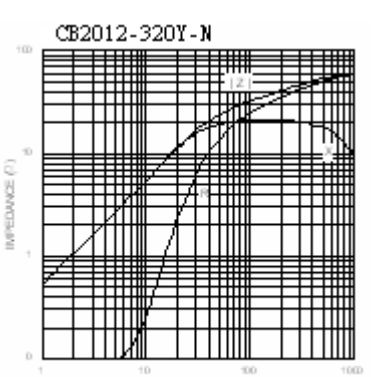


CB2012-110Y-N



CB2012-320Y-N



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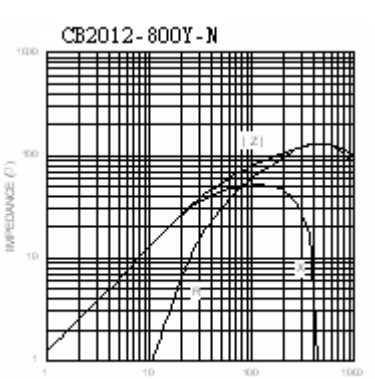
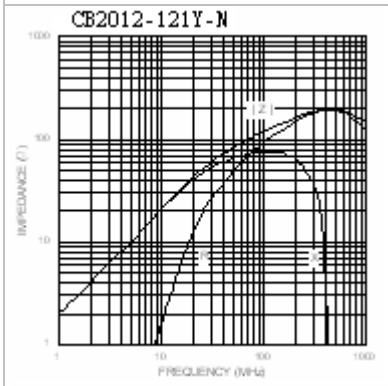


CB2012-121Y-N



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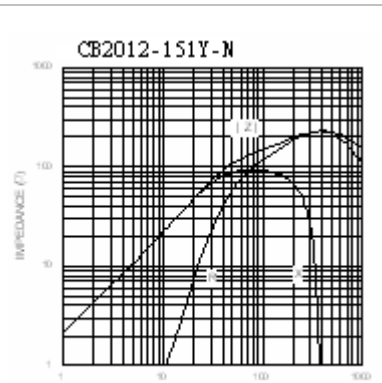

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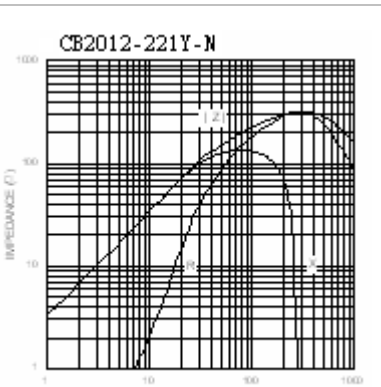

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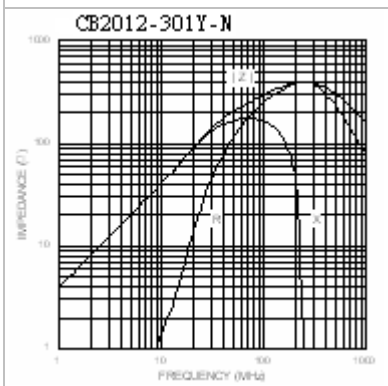

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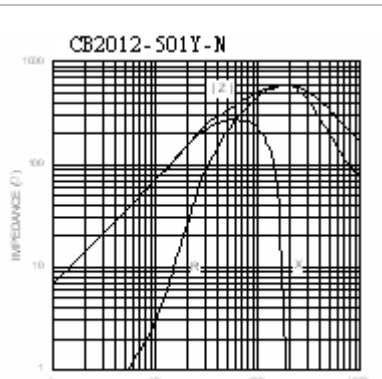

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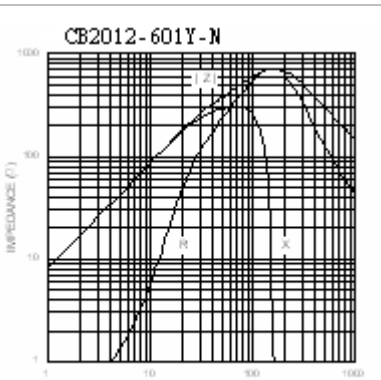
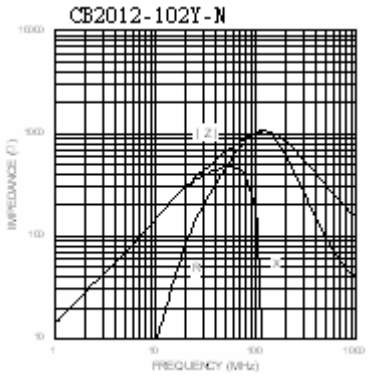


SMD MULTILAYER FERRITE CHIP BEADS / CB TYPE

CB2012-102Y-N



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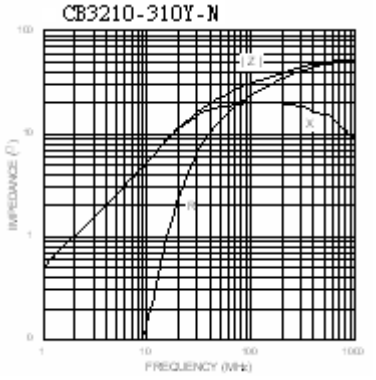

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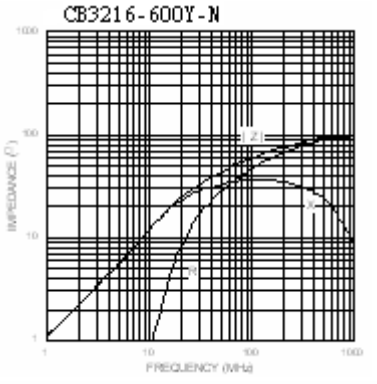

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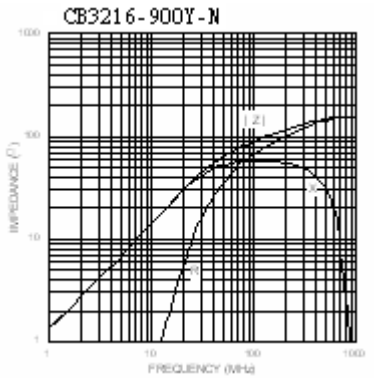

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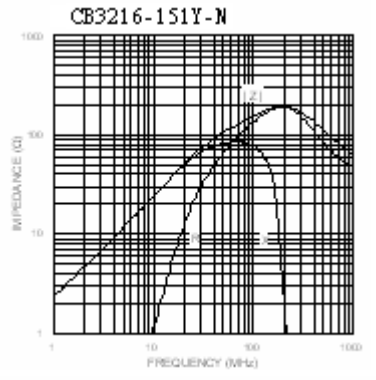

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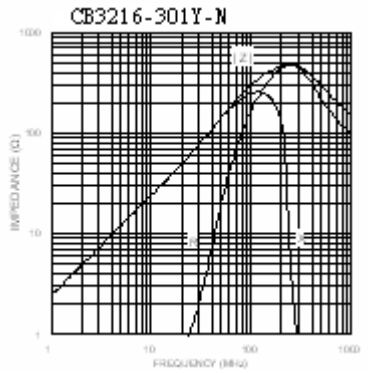

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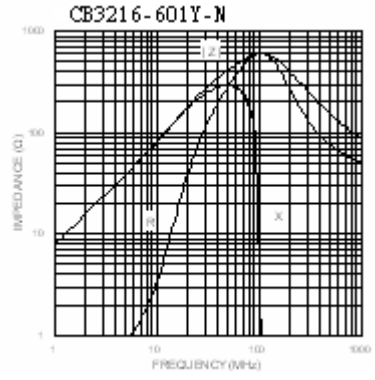

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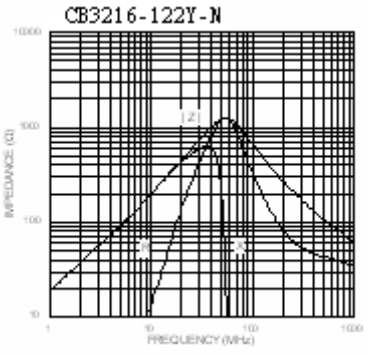
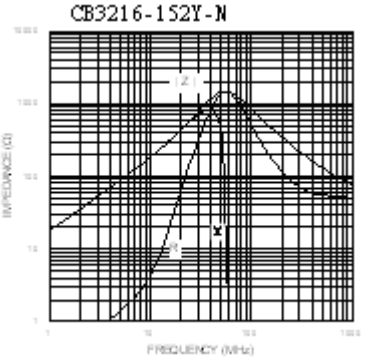


CB3216-152Y-N



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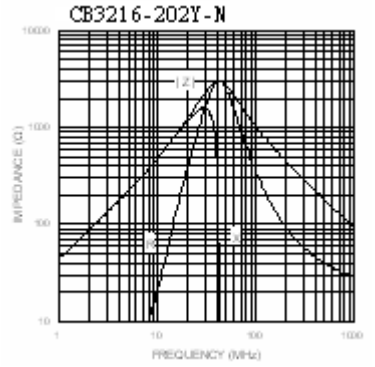

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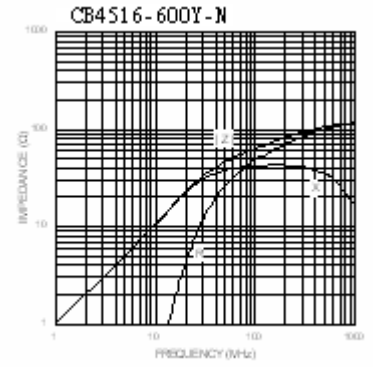

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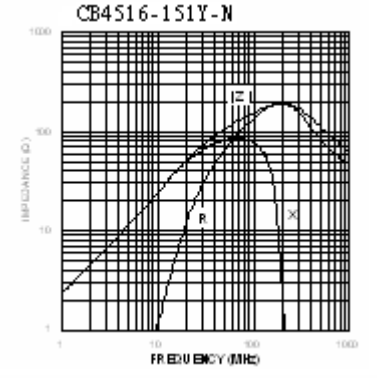


WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

FEATURES

- Their ceramic construction delivers the highest possible SRF's and Q value.
- These ultra-compact inductors provided exceptional Q values, even at high.
- The non-magnetic coil form also assures the utmost in thermal stability, predictability and batch consistency.

APPLICATIONS

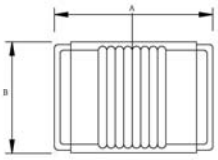
- Cellular phone, GPS receive, Base Station, Repeater , Wireless LAN/Mouse/Keyboard/earphone, remote control, security system and other RF modules.

ORDERING CODE

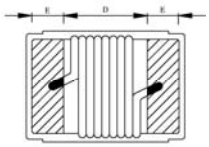
WHI 1008 - 1R0 □-N

- Note: lead-free
- Tolerance (G:±2%, J:±5%, K:±10%)
- Inductance
- Dimension
- Product Symbol

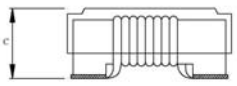
SHAPES



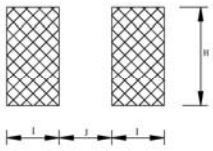
Top View



Bottom View



Side View



(Recomemeded Pattern)

DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Ref)	E (Ref)	H (Ref)	I (Ref)	J (Ref)
WHI 0402	1.19	0.64	0.66	0.56	0.23	0.66	0.36	0.46
WHI 0603	1.80	1.12	1.02	0.86	0.33	1.02	0.64	0.64
WHI 0805	2.29	1.73	1.52	1.02	0.51	1.78	1.02	0.76
WHI 1008	2.92	2.79	2.03	1.52	0.51	2.54	1.27	1.27

WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

ELECTRICAL CHARACTERISTICS FOR WHI 0402

Part No.	Inductance (nH) @250MHz	Q Min	SRF (GHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WHI 0402-1N0 □-N	1.0	16	12.70	0.045	1360
WHI 0402-1N2 □-N	1.2	16	12.90	0.090	740
WHI 0402-1N8 □-N	1.8	16	12.00	0.070	1040
WHI 0402-1N9 □-N	1.9	16	11.30	0.070	1040
WHI 0402-2N0 □-N	2.0	16	11.10	0.070	1040
WHI 0402-2N2 □-N	2.2	19	10.80	0.070	960
WHI 0402-2N4 □-N	2.4	15	10.50	0.068	790
WHI 0402-2N7 □-N	2.7	16	10.40	0.120	640
WHI 0402-3N3 □-N	3.3	19	7.00	0.066	840
WHI 0402-3N6 □-N	3.6	19	6.80	0.066	840
WHI 0402-3N9 □-N	3.9	19	6.00	0.066	840
WHI 0402-4N3 □-N	4.3	18	6.00	0.091	700
WHI 0402-4N7 □-N	4.7	15	4.70	0.130	640
WHI 0402-5N1 □-N	5.1	20	4.80	0.083	800
WHI 0402-5N6 □-N	5.6	20	4.80	0.083	760
WHI 0402-6N2 □-N	6.2	20	4.80	0.083	760
WHI 0402-6N8 □-N	6.8	20	4.80	0.083	680
WHI 0402-7N3 □-N	7.3	20	4.80	0.260	680
WHI 0402-7N5 □-N	7.5	22	4.80	0.100	680
WHI 0402-8N2 □-N	8.2	22	4.40	0.100	680
WHI 0402-8N7 □-N	8.7	18	4.10	0.200	480
WHI 0402-9N1 □-N	9.1	22	4.16	0.100	680
WHI 0402-9N5 □-N	9.5	18	4.00	0.200	480
WHI 0402-10N □-N	10	21	3.90	0.200	480
WHI 0402-11N □-N	11	24	3.68	0.120	640
WHI 0402-12N □-N	12	24	3.60	0.120	640
WHI 0402-13N □-N	13	24	3.45	0.210	440
WHI 0402-15N □-N	15	24	3.28	0.170	560
WHI 0402-16N □-N	16	24	3.10	0.220	560
WHI 0402-18N □-N	18	25	3.10	0.230	420
WHI 0402-19N □-N	19	24	3.04	0.200	480
WHI 0402-20N □-N	20	25	3.00	0.250	420
WHI 0402-22N □-N	22	25	2.80	0.300	400
WHI 0402-23N □-N	23	22	2.72	0.300	400
WHI 0402-24N □-N	24	25	2.70	0.300	400
WHI 0402-30N □-N	30	25	2.35	0.300	400
WHI 0402-33N □-N	33	24	2.35	0.440	400
WHI 0402-36N □-N	36	24	2.32	0.440	320
WHI 0402-39N □-N	39	25	2.10	0.550	200
WHI 0402-40N □-N	40	24	2.24	0.440	320
WHI 0402-43N □-N	43	25	2.03	0.810	100
WHI 0402-47N □-N	47	20	2.10	0.830	150
WHI 0402-51N □-N	51	25	1.75	0.820	100
WHI 0402-56N □-N	56	22	1.76	0.970	100
WHI 0402-68N □-N	68	22	1.62	1.120	100
WHI 0402-82N □-N	82	20	1.26	1.550	50
WHI 0402-R10 □-N	100	20	1.16	2.000	30
WHI 0402-R12 □-N	120	20	1.90	2.200	50

WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

ELECTRICAL CHARACTERISTICS FOR WHI 0603

Part No.	Inductance (nH)	Q Min	SRF (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WHI 0603-1N6 □-N	1.6@250MHz	24	12500	0.030	700
WHI 0603-1N8 □-N	1.8@250MHz	16	12500	0.045	700
WHI 0603-2N2 □-N	2.2@100MHz	20	5800	0.050	700
WHI 0603-3N3 □-N	3.3@250MHz	20	5500	0.070	700
WHI 0603-3N6 □-N	3.6@250MHz	22	5900	0.063	700
WHI 0603-3N9 □-N	3.9@250MHz	22	6900	0.080	700
WHI 0603-4N3 □-N	4.3@250MHz	22	5900	0.063	700
WHI 0603-4N7 □-N	4.7@250MHz	20	5800	0.116	700
WHI 0603-5N1 □-N	5.1@250MHz	20	5700	0.140	700
WHI 0603-5N6 □-N	5.6@250MHz	20	5800	0.150	700
WHI 0603-6N1 □-N	6.1@250MHz	25	5800	0.110	700
WHI 0603-6N8 □-N	6.8@250MHz	27	5800	0.110	700
WHI 0603-7N5 □-N	7.5@250MHz	28	4800	0.106	700
WHI 0603-8N2 □-N	8.2@250MHz	25	5800	0.120	700
WHI 0603-8N4 □-N	8.4@250MHz	28	4600	0.109	700
WHI 0603-8N5 □-N	8.5@250MHz	28	4600	0.109	700
WHI 0603-8N7 □-N	8.7@250MHz	28	4600	0.109	700
WHI 0603-9N5 □-N	9.5@250MHz	28	5400	0.135	700
WHI 0603-10N □-N	10@250MHz	31	4800	0.130	700
WHI 0603-11N □-N	11@250MHz	33	4000	0.086	700
WHI 0603-12N □-N	12@250MHz	35	4000	0.130	700
WHI 0603-14N □-N	14@250MHz	35	4000	0.170	700
WHI 0603-15N □-N	15@250MHz	35	4000	0.170	700
WHI 0603-16N □-N	16@250MHz	34	3300	0.104	700
WHI 0603-18N □-N	18@250MHz	35	3100	0.170	700
WHI 0603-22N □-N	22@250MHz	38	3000	0.190	700
WHI 0603-24N □-N	24@250MHz	37	2650	0.135	700
WHI 0603-27N □-N	27@250MHz	40	2800	0.220	600
WHI 0603-30N □-N	30@250MHz	37	2250	0.144	600
WHI 0603-33N □-N	33@250MHz	40	2300	0.220	600
WHI 0603-36N □-N	36@250MHz	38	2080	0.250	600
WHI 0603-39N □-N	39@250MHz	40	2200	0.250	600
WHI 0603-43N □-N	43@250MHz	39	2000	0.280	600
WHI 0603-47N □-N	47@200MHz	38	2000	0.280	600
WHI 0603-56N □-N	56@200MHz	38	1900	0.310	600
WHI 0603-68N □-N	68@200MHz	37	1700	0.340	600
WHI 0603-72N □-N	72@150MHz	34	1700	0.490	400
WHI 0603-82N □-N	82@150MHz	34	1700	0.540	400
WHI 0603-R10 □-N	100@150MHz	34	1400	0.580	400
WHI 0603-R11 □-N	110@150MHz	32	1350	0.610	300
WHI 0603-R12 □-N	120@150MHz	32	1300	0.650	300
WHI 0603-R15 □-N	150@150MHz	28	990	0.920	280
WHI 0603-R18 □-N	180@100MHz	25	990	1.250	240
WHI 0603-R22 □-N	220@100MHz	25	900	1.900	200
WHI 0603-R27 □-N	270@100MHz	24	900	2.300	170
WHI 0603-R33 □-N	330@100MHz	24	900	3.900	185
WHI 0603-R39 □-N	390@100MHz	25	900	4.350	100
WHI 0603-R47 □-N	470@100MHz	25	820	4.350	100

WIRE WOUND CERAMIC CHIP INDUCTORS / WHI TYPE

ELECTRICAL CHARACTERISTICS FOR WHI 0805

Part No.	Inductance (nH)	Q Min	SRF (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WHI 0805-3N3 □-N	3.3@250MHz	50@1500MHz	7900	0.08	600
WHI 0805-5N6 □-N	5.6@250MHz	65@1000MHz	5500	0.08	600
WHI 0805-6N8 □-N	6.8@250MHz	50@1000MHz	5500	0.11	600
WHI 0805-7N5 □-N	7.5@250MHz	50@1000MHz	4500	0.14	600
WHI 0805-8N2 □-N	8.2@250MHz	50@1000MHz	4700	0.12	600
WHI 0805-10N □-N	10@250MHz	60@500MHz	4200	0.10	600
WHI 0805-12N □-N	12@250MHz	50@500MHz	4000	0.15	600
WHI 0805-15N □-N	15@250MHz	50@500MHz	3400	0.17	600
WHI 0805-18N □-N	18@250MHz	50@500MHz	3300	0.20	600
WHI 0805-22N □-N	22@250MHz	55@500MHz	2600	0.22	500
WHI 0805-24N □-N	24@250MHz	50@500MHz	2000	0.22	500
WHI 0805-27N □-N	27@250MHz	55@500MHz	2500	0.25	500
WHI 0805-33N □-N	33@250MHz	60@500MHz	2050	0.27	500
WHI 0805-36N □-N	36@250MHz	55@500MHz	1700	0.27	500
WHI 0805-39N □-N	39@250MHz	60@500MHz	2000	0.29	500
WHI 0805-43N □-N	43@200MHz	60@500MHz	1650	0.34	500
WHI 0805-47N □-N	47@200MHz	60@500MHz	1650	0.31	500
WHI 0805-56N □-N	56@200MHz	60@500MHz	1550	0.34	500
WHI 0805-68N □-N	68@200MHz	60@500MHz	1450	0.38	500
WHI 0805-82N □-N	82@150MHz	65@500MHz	1300	0.42	400
WHI 0805-91N □-N	91@150MHz	65@500MHz	1200	0.48	400
WHI 0805-R10 □-N	100@150MHz	65@500MHz	1200	0.46	400
WHI 0805-R12 □-N	120@150MHz	50@250MHz	1100	0.51	400
WHI 0805-R15 □-N	150@100MHz	50@250MHz	920	0.56	400
WHI 0805-R18 □-N	180@100MHz	50@250MHz	870	0.64	400
WHI 0805-R22 □-N	220@100MHz	50@250MHz	850	0.70	400
WHI 0805-R24 □-N	240@100MHz	44@250MHz	690	1.00	350
WHI 0805-R27 □-N	270@100MHz	48@250MHz	650	1.00	350
WHI 0805-R30 □-N	300@150MHz	25@250MHz	450	1.40	300
WHI 0805-R33 □-N	330@100MHz	48@250MHz	600	1.40	310
WHI 0805-R39 □-N	390@100MHz	48@250MHz	560	1.50	290
WHI 0805-R47 □-N	470@50MHz	33@100MHz	375	1.76	250
WHI 0805-R56 □-N	560@25MHz	23@50MHz	340	1.90	230
WHI 0805-R68 □-N	680@25MHz	23@50MHz	188	2.20	190
WHI 0805-R75 □-N	750@25MHz	23@50MHz	215	2.35	180
WHI 0805-R82 □-N	820@25MHz	23@50MHz	215	2.35	180
WHI 0805-1R0 □-N	1000@25MHz	23@50MHz	260	2.70	170

WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

FEATURES

- Terminals are highly resistant to pull forces.
- Very strong solder ability by flow soldering, soldering iron or wave soldering.
- Highly reliable in environments of sudden temperature change and humidity.
- Highly accurate dimensions can be mounted automatically.
- Highly resistant to mechanical shocks and pressure.

APPLICATIONS

- Video cameras, portable VCRs
- television tuners, mobile telephones
- Car radios, car stereos, thin tape radios
- Microtelevisions, Liquid crystal televisions
- other electronic devices

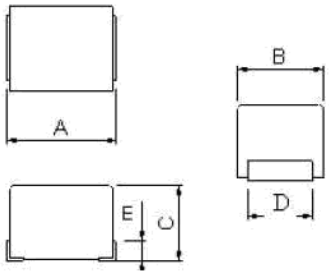
ORDERING CODE

WCI 3225 - 100 □-N

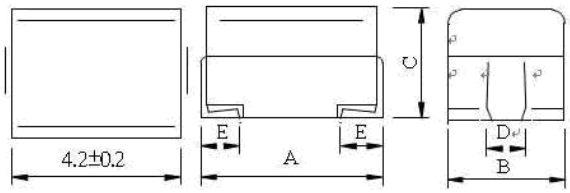
- Note: lead-free
- Tolerance (J:±5%, K:±10%, M:±20%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES

WCI2520 / 3225



WCI4532



DIMENSIONS UNIT: mm

Part No.	A	B	C	D (Ref.)	E (Ref.)
WCI 2520	2.5 ± 0.3	2.0 ± 0.2	1.8 ± 0.2	1.4 ± 0.1	0.3 (MIN)
WCI 3225	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	1.9 ± 0.1	0.3 (MIN)
WCI 4532	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2 ± 0.2	1.0 ± 0.2

WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

ELECTRICAL CHARACTERISTICS FOR WCI 2520

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 2520-010 □-N	0.010	100	15	2150	0.26	530
WCI 2520-012 □-N	0.012	100	15	2050	0.27	500
WCI 2520-015 □-N	0.015	100	15	2000	0.29	480
WCI 2520-018 □-N	0.018	100	15	1850	0.31	450
WCI 2520-022 □-N	0.022	100	15	1650	0.37	420
WCI 2520-027 □-N	0.027	100	15	1550	0.40	410
WCI 2520-033 □-N	0.033	100	20	1450	0.42	400
WCI 2520-039 □-N	0.039	100	20	1350	0.45	380
WCI 2520-047 □-N	0.047	100	20	1200	0.50	360
WCI 2520-056 □-N	0.056	100	20	1100	0.60	340
WCI 2520-068 □-N	0.068	100	20	1050	0.65	320
WCI 2520-082 □-N	0.082	100	20	900	0.75	300
WCI 2520-R10 □-N	0.100	100	20	800	0.80	280
WCI 2520-R12 □-N	0.120	25.2	30	700	0.30	550
WCI 2520-R15 □-N	0.150	25.2	30	550	0.35	500
WCI 2520-R18 □-N	0.180	25.2	30	500	0.40	460
WCI 2520-R22 □-N	0.220	25.2	30	450	0.50	430
WCI 2520-R27 □-N	0.270	25.2	30	425	0.55	420
WCI 2520-R33 □-N	0.330	25.2	30	400	0.60	400
WCI 2520-R39 □-N	0.390	25.2	30	375	0.65	375
WCI 2520-R47 □-N	0.470	25.2	30	350	0.68	350
WCI 2520-R56 □-N	0.560	25.2	30	325	0.75	325
WCI 2520-R68 □-N	0.680	25.2	30	300	0.85	300
WCI 2520-R82 □-N	0.820	25.2	30	260	1.00	260
WCI 2520-1R0 □-N	1.0	7.96	30	245	1.10	245
WCI 2520-1R2 □-N	1.2	7.96	30	230	1.20	230
WCI 2520-1R5 □-N	1.5	7.96	30	182	1.30	220
WCI 2520-1R8 □-N	1.8	7.96	30	135	1.45	210
WCI 2520-2R2 □-N	2.2	7.96	30	105	1.55	200
WCI 2520-2R7 □-N	2.7	7.96	30	70	1.70	195
WCI 2520-3R3 □-N	3.3	7.96	30	55	1.90	185
WCI 2520-3R9 □-N	3.9	7.96	30	48	2.10	180
WCI 2520-4R7 □-N	4.7	7.96	30	43	2.30	175
WCI 2520-5R6 □-N	5.6	7.96	25	42	2.50	170
WCI 2520-6R8 □-N	6.8	7.96	25	39	2.70	165
WCI 2520-8R2 □-N	8.2	7.96	25	36	3.05	160
WCI 2520-100 □-N	10	2.52	25	30	3.50	155
WCI 2520-120 □-N	12	2.52	25	28	3.80	150
WCI 2520-150 □-N	15	2.52	25	24	4.40	140
WCI 2520-180 □-N	18	2.52	25	22	4.80	130
WCI 2520-220 □-N	22	2.52	25	20	5.50	125
WCI 2520-270 □-N	27	2.52	25	18	6.30	115
WCI 2520-330 □-N	33	2.52	25	16	7.10	110
WCI 2520-390 □-N	39	2.52	20	14	9.50	90
WCI 2520-470 □-N	47	2.52	20	12	11.10	80
WCI 2520-560 □-N	56	2.52	20	12	12.10	75
WCI 2520-680 □-N	68	2.52	20	10	16.60	70
WCI 2520-820 □-N	82	2.52	20	10	19.00	66
WCI 2520-101 □-N	100	0.796	15	8	21.00	60

WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

ELECTRICAL CHARACTERISTICS FOR WCI 3225

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 3225-010 □-N	0.010	100	15	2500	0.13	450
WCI 3225-012 □-N	0.012	100	17	2300	0.14	450
WCI 3225-015 □-N	0.015	100	19	2100	0.16	450
WCI 3225-018 □-N	0.018	100	21	1900	0.18	450
WCI 3225-022 □-N	0.022	100	23	1700	0.20	450
WCI 3225-027 □-N	0.027	100	23	1500	0.22	450
WCI 3225-033 □-N	0.033	100	25	1400	0.24	450
WCI 3225-039 □-N	0.039	100	25	1300	0.27	450
WCI 3225-047 □-N	0.047	100	26	1200	0.30	450
WCI 3225-056 □-N	0.056	100	26	1100	0.33	450
WCI 3225-068 □-N	0.068	100	27	1000	0.36	450
WCI 3225-082 □-N	0.082	100	27	900	0.40	450
WCI 3225-R10 □-N	0.100	100	28	700	0.44	450
WCI 3225-R12 □-N	0.120	25.2	30	500	0.22	450
WCI 3225-R15 □-N	0.150	25.2	30	450	0.25	450
WCI 3225-R18 □-N	0.180	25.2	30	400	0.28	450
WCI 3225-R22 □-N	0.220	25.2	30	350	0.32	450
WCI 3225-R27 □-N	0.270	25.2	30	320	0.36	450
WCI 3225-R33 □-N	0.330	25.2	30	300	0.40	450
WCI 3225-R39 □-N	0.390	25.2	30	250	0.45	450
WCI 3225-R47 □-N	0.470	25.2	30	220	0.50	450
WCI 3225-R56 □-N	0.560	25.2	30	180	0.55	450
WCI 3225-R68 □-N	0.680	25.2	30	160	0.60	450
WCI 3225-R82 □-N	0.820	25.2	30	140	0.65	450
WCI 3225-1R0 □-N	1.00	7.96	30	120	0.70	400
WCI 3225-1R2 □-N	1.20	7.96	30	100	0.75	390
WCI 3225-1R5 □-N	1.50	7.96	30	85	0.85	370
WCI 3225-1R8 □-N	1.80	7.96	30	80	0.90	350
WCI 3225-2R2 □-N	2.20	7.96	30	75	1.00	320
WCI 3225-2R7 □-N	2.70	7.96	30	70	1.10	290
WCI 3225-3R3 □-N	3.30	7.96	30	60	1.20	260
WCI 3225-3R9 □-N	3.90	7.96	30	55	1.30	250
WCI 3225-4R7 □-N	4.70	7.96	30	50	1.50	220
WCI 3225-5R6 □-N	5.60	7.96	30	45	1.60	200
WCI 3225-6R8 □-N	6.80	7.96	30	40	1.80	180
WCI 3225-8R2 □-N	8.20	7.96	30	35	2.00	170
WCI 3225-100 □-N	10	2.52	30	30	2.10	150
WCI 3225-120 □-N	12	2.52	30	25	2.50	140
WCI 3225-150 □-N	15	2.52	30	20	2.80	130
WCI 3225-180 □-N	18	2.52	30	20	3.30	120
WCI 3225-220 □-N	22	2.52	30	20	3.70	110
WCI 3225-270 □-N	27	2.52	30	18	5.00	80
WCI 3225-330 □-N	33	2.52	30	17	5.60	70
WCI 3225-390 □-N	39	2.52	30	16	6.40	65
WCI 3225-470 □-N	47	2.52	30	15	7.00	60
WCI 3225-560 □-N	56	2.52	30	13	8.00	55
WCI 3225-680 □-N	68	2.52	30	12	9.00	50
WCI 3225-820 □-N	82	2.52	30	11	10	45
WCI 3225-101 □-N	100	0.796	20	10	10	40
WCI 3225-121 □-N	120	0.796	20	9	11	70
WCI 3225-151 □-N	150	0.796	20	7	15	65
WCI 3225-181 □-N	180	0.796	20	7	17	60
WCI 3225-221 □-N	220	0.796	20	6	21	50
WCI 3225-271 □-N	270	0.796	20	5	28	45
WCI 3225-331 □-N	330	0.796	20	5	34	40

WIRE WOUND CHIP MOLDED INDUCTORS / WCI TYPE

ELECTRICAL CHARACTERISTICS FOR WCI 4532

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 4532-R10 □-N	0.10	25.2	35	300	0.18	800
WCI 4532-R12 □-N	0.12	25.2	35	280	0.20	770
WCI 4532-R15 □-N	0.15	25.2	35	250	0.22	730
WCI 4532-R18 □-N	0.18	25.2	35	220	0.24	700
WCI 4532-R22 □-N	0.22	25.2	40	200	0.25	665
WCI 4532-R27 □-N	0.27	25.2	40	180	0.26	635
WCI 4532-R33 □-N	0.33	25.2	40	165	0.28	605
WCI 4532-R39 □-N	0.39	25.2	40	150	0.30	575
WCI 4532-R47 □-N	0.47	25.2	40	145	0.32	545
WCI 4532-R56 □-N	0.56	25.2	40	140	0.36	520
WCI 4532-R68 □-N	0.68	25.2	40	135	0.40	500
WCI 4532-R82 □-N	0.82	25.2	40	130	0.45	475
WCI 4532-1R0 □-N	1.00	7.96	50	100	0.50	450
WCI 4532-1R2 □-N	1.20	7.96	50	80	0.55	430
WCI 4532-1R5 □-N	1.50	7.96	50	70	0.60	410
WCI 4532-1R8 □-N	1.80	7.96	50	60	0.65	390
WCI 4532-2R2 □-N	2.20	7.96	50	55	0.70	380
WCI 4532-2R7 □-N	2.70	7.96	50	50	0.75	370
WCI 4532-3R3 □-N	3.30	7.96	50	45	0.80	355
WCI 4532-3R9 □-N	3.90	7.96	50	40	0.90	330
WCI 4532-4R7 □-N	4.70	7.96	50	35	1.00	315
WCI 4532-5R6 □-N	5.60	7.96	50	33	1.10	300
WCI 4532-6R8 □-N	6.80	7.96	50	27	1.20	285
WCI 4532-8R2 □-N	8.20	7.96	50	25	1.40	270
WCI 4532-100 □-N	10	2.52	50	20	1.60	250
WCI 4532-120 □-N	12	2.52	50	18	2.00	225
WCI 4532-150 □-N	15	2.52	50	17	2.50	200
WCI 4532-180 □-N	18	2.52	50	15	2.80	190
WCI 4532-220 □-N	22	2.52	50	13	3.20	180
WCI 4532-270 □-N	27	2.52	50	12	3.60	170
WCI 4532-330 □-N	33	2.52	50	11	4.00	160
WCI 4532-390 □-N	39	2.52	50	10	4.50	150
WCI 4532-470 □-N	47	2.52	50	10	5.00	140
WCI 4532-560 □-N	56	2.52	50	9	5.50	135
WCI 4532-680 □-N	68	2.52	50	9	6.00	130
WCI 4532-820 □-N	82	2.52	50	8	7.00	120
WCI 4532-101 □-N	100	0.796	40	8	8.00	110
WCI 4532-121 □-N	120	0.796	40	6	8.00	110
WCI 4532-151 □-N	150	0.796	40	5	9.00	105
WCI 4532-181 □-N	180	0.796	40	5	9.50	102
WCI 4532-221 □-N	220	0.796	40	4	10	100
WCI 4532-271 □-N	270	0.796	40	4	12	92
WCI 4532-331 □-N	330	0.796	40	3.5	14	85
WCI 4532-391 □-N	390	0.796	40	3	18	80
WCI 4532-471 □-N	470	0.796	30	3	26	62
WCI 4532-561 □-N	560	0.796	30	3	30	50
WCI 4532-681 □-N	680	0.796	30	3	30	50
WCI 4532-821 □-N	820	0.796	30	2.5	35	30
WCI 4532-102 □-N	1000	2.252	20	2.5	40	30

WIRE WOUND CHIP MOLDED INDUCTORS HIGH CURRENT / WCI(C) TYPE

FEATURES

- Low RDC, large current type
- Best for power supply line.
- Available in 2 sizes.

APPLICATIONS

- Portable Telephones
- Personal computers
- HHDs.
- Other electronics appliances.

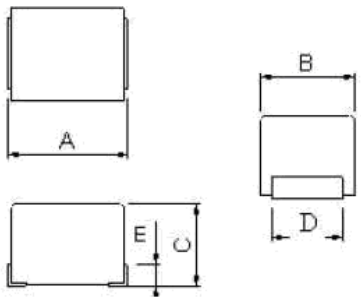
ORDERING CODE

WCI 4532C - 100 □-N

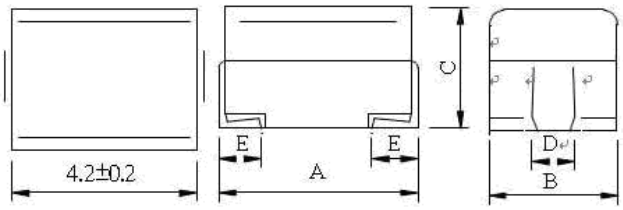
- Note: lead-free
- Tolerance (J:±5%, K:±10%)
- Inductance
- Dimension
- Product Symbol

SHAPES

WCI2520C / WCI3225C



WCI4532C



DIMENSIONS UNIT: mm

Part No.	A	B	C	D (Ref.)	E (Ref.)
WCI 3225C	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	1.9 (REF)	0.3 (REF)
WCI 4532C	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2 ± 0.2	1.0 ± 0.2

WIRE WOUND CHIP MOLDED INDUCTORS HIGH CURRENT / WCI(C) TYPE

ELECTRICAL CHARACTERISTICS FOR WCI 3225C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 3225C-R15 □-N	0.15	25.2	5	400	0.25	1350
WCI 3225C-R22 □-N	0.22	25.2	5	250	0.30	1150
WCI 3225C-R47 □-N	0.47	25.2	5	150	0.30	1000
WCI 3225C-1R0 □-N	1.0	7.96	10	100	0.30	850
WCI 3225C-1R5 □-N	1.5	7.96	10	80	0.30	700
WCI 3225C-2R2 □-N	2.2	7.96	10	68	0.30	600
WCI 3225C-3R3 □-N	3.3	7.96	10	54	0.35	500
WCI 3225C-4R7 □-N	4.7	7.96	15	46	0.45	430
WCI 3225C-6R8 □-N	6.8	7.96	15	38	0.50	360
WCI 3225C-100 □-N	10	2.52	15	30	0.80	300
WCI 3225C-150 □-N	15	2.52	15	26	1.60	250
WCI 3225C-220 □-N	22	2.52	15	21	2.20	210
WCI 3225C-330 □-N	33	2.52	15	17	2.80	170
WCI 3225C-470 □-N	47	2.52	15	14	3.20	150
WCI 3225C-560 □-N	56	2.52	15	13	5.00	120
WCI 3225C-680 □-N	68	2.52	15	12	5.00	120
WCI 3225C-820 □-N	82	2.52	15	10	6.50	110
WCI 3225C-101 □-N	100	0.796	15	10	7.50	100
WCI 3225C-151 □-N	150	0.796	20	7	11	85
WCI 3225C-221 □-N	220	0.796	20	6	14	70
WCI 3225C-331 □-N	330	0.796	20	5	21	60

ELECTRICAL CHARACTERISTICS FOR WCI 4532C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCI 4532C-1R0 □-N	1.0	7.96	10	180.0	0.11	1050
WCI 4532C-1R2 □-N	1.2	7.96	10	160.0	0.12	1000
WCI 4532C-1R5 □-N	1.5	7.96	10	130.0	0.15	950
WCI 4532C-1R8 □-N	1.8	7.96	10	100.0	0.16	900
WCI 4532C-2R2 □-N	2.2	7.96	10	80.0	0.18	850
WCI 4532C-2R7 □-N	2.7	7.96	10	60.0	0.20	800
WCI 4532C-3R3 □-N	3.3	7.96	10	45.0	0.22	750
WCI 4532C-3R9 □-N	3.9	7.96	10	40.0	0.24	700
WCI 4532C-4R7 □-N	4.7	7.96	10	35.0	0.27	650
WCI 4532C-5R6 □-N	5.6	7.96	10	30.0	0.30	650
WCI 4532C-6R8 □-N	6.8	7.96	10	28.0	0.35	600
WCI 4532C-8R2 □-N	8.2	7.96	10	25.0	0.40	600
WCI 4532C-100 □-N	10	2.52	10	22.0	0.50	550
WCI 4532C-120 □-N	12	2.52	10	21.0	0.60	500
WCI 4532C-150 □-N	15	2.52	10	20.0	0.70	450
WCI 4532C-180 □-N	18	2.52	10	19.0	0.80	400
WCI 4532C-220 □-N	22	2.52	10	18.0	0.90	370
WCI 4532C-270 □-N	27	2.52	10	16.0	1.20	330
WCI 4532C-330 □-N	33	2.52	10	14.0	1.40	300
WCI 4532C-390 □-N	39	2.52	10	12.0	1.60	280
WCI 4532C-470 □-N	47	2.52	10	11.5	1.90	260
WCI 4532C-560 □-N	56	2.52	10	11.0	2.20	240
WCI 4532C-680 □-N	68	2.52	10	10.0	2.60	220
WCI 4532C-820 □-N	82	2.52	10	9.0	3.50	200
WCI 4532C-101 □-N	100	0.796	20	8.0	4.00	180
WCI 4532C-121 □-N	120	0.796	20	7.5	4.50	160
WCI 4532C-151 □-N	150	0.796	20	7.0	6.50	140
WCI 4532C-181 □-N	180	0.796	20	6.5	7.50	120
WCI 4532C-221 □-N	220	0.796	20	5.5	9.00	120
WCI 4532C-271 □-N	270	0.796	20	5.0	11.0	100
WCI 4532C-331 □-N	330	0.796	20	4.0	13.0	90
WCI 4532C-391 □-N	390	0.796	20	3.0	14.0	85
WCI 4532C-471 □-N	470	0.796	20	3.0	16.0	75
WCI 4532C-561 □-N	560	0.796	20	3.0	21.0	70
WCI 4532C-681 □-N	680	0.796	20	2.5	24.2	65

WIRE WOUND FERRITE CHIP INDUCTORS / WCIL TYPE

FEATURES

- Very strong solderability by reflow soldering and soldering iron or wave soldering.
- Highly accurate dimensions can be mounted automatically.
- Terminals are highly resistant to pull forces.
- High reliable in environments of sudden temperature change and humidity.
- Highly resistant to mechanical shocks and pressure.
- Superior Q characteristics and broadest selections amount peers.

APPLICATIONS

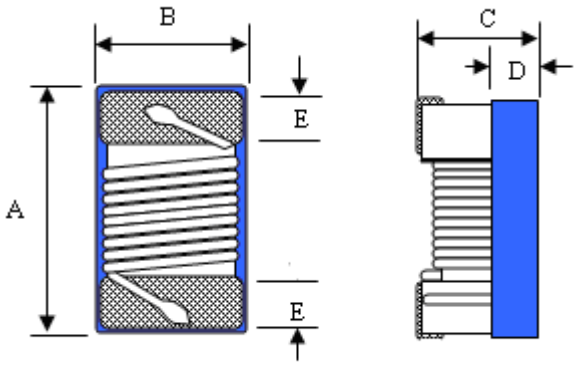
- Micro TVs, liquid crystal TVs, video cameras, protable VCRs, car radios, car stereos, thin tape radios, television tuners, mobile telephones, radio and other electronic devices.

ORDERING CODE

WCIL 2016 - 100 □-N

- Note: lead-free
- Tolerance (J:± 5%, K:±10%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm

Part No.	A (MAX)	B (MAX)	C (MAX)	D (Ref.)	E
WCIL 2016	2.40	1.65	1.2±0.1	0.65	0.44(Ref.)
WCIL 2520	2.90	2.54	2.03	1.30	0.50 ± 0.1

WIRE WOUND FERRITE CHIP INDUCTORS / WCIL TYPE

ELECTRICAL CHARACTERISTICS FOR WCIL 2016

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 2016-R12 □-N	0.12	25.2	25	500	0.20	600
WCIL 2016-R15 □-N	0.15	25.2	25	450	0.25	600
WCIL 2016-R18 □-N	0.18	25.2	25	410	0.30	570
WCIL 2016-R22 □-N	0.22	25.2	25	350	0.35	550
WCIL 2016-R27 □-N	0.27	25.2	25	280	0.40	530
WCIL 2016-R33 □-N	0.33	25.2	25	235	0.45	510
WCIL 2016-R39 □-N	0.39	25.2	25	210	0.50	490
WCIL 2016-R47 □-N	0.47	25.2	25	170	0.55	470
WCIL 2016-R56 □-N	0.56	25.2	25	150	0.60	450
WCIL 2016-R68 □-N	0.68	25.2	25	140	0.70	420
WCIL 2016-R82 □-N	0.82	25.2	25	130	0.75	400
WCIL 2016-1R0 □-N	1.00	7.96	15	115	0.80	350
WCIL 2016-1R2 □-N	1.20	7.96	15	95	0.90	325
WCIL 2016-1R5 □-N	1.50	7.96	15	85	1.05	300
WCIL 2016-1R8 □-N	1.80	7.96	15	80	1.20	270
WCIL 2016-2R2 □-N	2.20	7.96	15	75	1.40	250
WCIL 2016-2R7 □-N	2.70	7.96	15	70	1.60	230
WCIL 2016-3R3 □-N	3.30	7.96	15	60	1.80	210
WCIL 2016-3R9 □-N	3.90	7.96	15	55	2.00	190
WCIL 2016-4R7 □-N	4.70	7.96	15	45	2.40	170
WCIL 2016-5R6 □-N	5.60	7.96	15	40	2.70	150
WCIL 2016-6R8 □-N	6.80	7.96	15	36	3.20	140
WCIL 2016-8R2 □-N	8.20	7.96	15	33	3.60	120
WCIL 2016-100 □-N	10.0	2.52	15	30	4.50	110
WCIL 2016-120 □-N	12.0	2.52	15	25	5.70	105
WCIL 2016-150 □-N	15.0	2.52	15	23	6.50	90
WCIL 2016-180 □-N	18.0	2.52	15	21	7.00	85
WCIL 2016-220 □-N	22.0	2.52	15	20	8.00	78
WCIL 2016-270 □-N	27.0	2.52	15	18	9.00	75
WCIL 2016-330 □-N	33.0	2.52	15	17	10.0	70

WIRE WOUND FERRITE CHIP INDUCTORS / WCIL TYPE

ELECTRICAL CHARACTERISTICS FOR WCIL 2520

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 2520-5N0 □-N	0.005	100	10	3000	0.25	2000
WCIL 2520-10N □-N	0.010	100	10	2500	0.25	1800
WCIL 2520-12N □-N	0.012	100	15	2400	0.26	1700
WCIL 2520-15N □-N	0.015	100	15	2300	0.28	1600
WCIL 2520-18N □-N	0.018	100	15	2200	0.30	1550
WCIL 2520-22N □-N	0.022	100	20	2100	0.35	1500
WCIL 2520-27N □-N	0.027	100	20	2000	0.40	1450
WCIL 2520-33N □-N	0.033	100	30	1600	0.42	1400
WCIL 2520-39N □-N	0.039	100	35	1500	0.45	1350
WCIL 2520-47N □-N	0.047	100	35	1400	0.50	1300
WCIL 2520-56N □-N	0.056	100	35	1300	0.60	1250
WCIL 2520-68N □-N	0.068	100	35	1200	0.65	1240
WCIL 2520-82N □-N	0.082	100	35	1100	0.75	1230
WCIL 2520-R10 □-N	0.10	100	35	800	0.80	1220
WCIL 2520-R12 □-N	0.12	25.2	30	700	0.30	900
WCIL 2520-R15 □-N	0.15	25.2	30	550	0.35	900
WCIL 2520-R18 □-N	0.18	25.2	30	500	0.40	850
WCIL 2520-R22 □-N	0.22	25.2	30	450	0.50	840
WCIL 2520-R27 □-N	0.27	25.2	30	425	0.55	830
WCIL 2520-R33 □-N	0.33	25.2	30	400	0.60	820
WCIL 2520-R39 □-N	0.39	25.2	30	375	0.65	810
WCIL 2520-R47 □-N	0.47	25.2	30	350	0.68	800
WCIL 2520-R56 □-N	0.56	25.2	30	325	0.75	800
WCIL 2520-R68 □-N	0.68	25.2	30	300	0.85	800
WCIL 2520-R82 □-N	0.82	25.2	30	260	1.0	800
WCIL 2520-1R0 □-N	1.0	7.96	25	245	1.1	800
WCIL 2520-1R2□-N	1.2	7.96	25	230	1.2	790
WCIL 2520-1R5 □-N	1.5	7.96	25	182	1.3	750
WCIL 2520-1R8 □-N	1.8	7.96	25	135	1.45	750
WCIL 2520-2R2 □-N	2.2	7.96	25	105	1.55	750
WCIL 2520-2R7 □-N	2.7	7.96	25	70	1.7	740
WCIL 2520-3R3 □-N	3.3	7.96	25	55	1.9	730
WCIL 2520-3R9 □-N	3.9	7.96	25	48	2.1	700
WCIL 2520-4R7 □-N	4.7	7.96	25	43	2.3	650
WCIL 2520-5R6 □-N	5.6	7.96	20	42	2.5	640
WCIL 2520-6R8 □-N	6.8	7.96	20	39	2.7	630
WCIL 2520-8R2 □-N	8.2	7.96	20	36	3.05	600
WCIL 2520-100 □-N	10	2.52	15	33	3.5	600
WCIL 2520-120 □-N	12	2.52	15	30	3.8	550
WCIL 2520-150 □-N	15	2.52	15	26	4.4	430
WCIL 2520-180□-N	18	2.52	15	24	4.8	400
WCIL 2520-220 □-N	22	2.52	15	22	5.5	400
WCIL 2520-270 □-N	27	2.52	15	21	6.3	360
WCIL 2520-330 □-N	33	2.52	15	20	7.1	350
WCIL 2520-390 □-N	39	2.52	10	18	9.5	330
WCIL 2520-470 □-N	47	2.52	10	17	11.1	300
WCIL 2520-560 □-N	56	2.52	10	16	12.1	270
WCIL 2520-680 □-N	68	2.52	10	15	16.6	250
WCIL 2520-820 □-N	82	2.52	10	13	19	200
WCIL 2520-101 □-N	100	0.796	8	12	21	120

WIRE WOUND FERRITE CHIP INDUCTORS HIGH CURRENT / WCIL(C) TYPE

FEATURES

- Very strong solderability by reflow soldering and soldering iron.
- Highly accurate dimensions can be mounted automatically.
- Terminals are highly resistant to pull forces.
- Highly resistant to mechanical shocks and pressure.
- Highly reliable in environments of sudden temperature change and humidity.
- Superior IDC for DC/DC converter.

APPLICATIONS

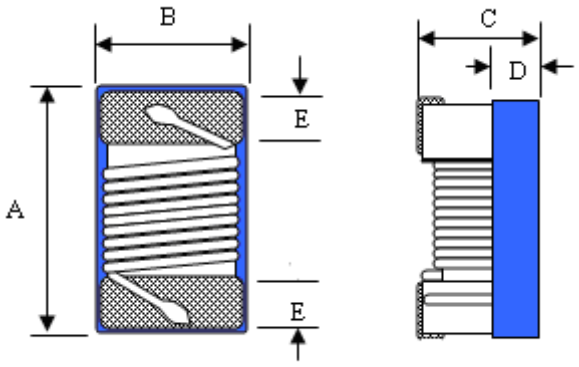
- DC/DC converter such as DSC, LCD TV, game console, portable VCRs, conveyable telephone, and others.

ORDERING CODE

WCIL 3225C - 100 □-N

- Note: lead-free
- Tolerance (J:± 5%, K:±10%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm

Part No.	A (MAX)	B (MAX)	C (MAX)	D (Ref.)	E
WCIL 2520C	2.40	1.78	1.00	0.75	0.5±0.1
WCIL 3225C	3.60	2.90	2.50	1.10	0.5±0.1

WIRE WOUND FERRITE CHIP INDUCTORS HIGH CURRENT / WCIL(C) TYPE

ELECTRICAL CHARACTERISTICS FOR WCIL 2520C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 2520C-1R0 □-N	1.0	7.96	25	300	0.34	1500
WCIL 2520C-1R5 □-N	1.5	7.96	25	270	0.42	1400
WCIL 2520C-2R2 □-N	2.2	7.96	25	140	0.50	1200
WCIL 2520C-3R3 □-N	3.3	7.96	25	95	0.65	1000
WCIL 2520C-4R7 □-N	4.7	7.96	25	90	0.80	800
WCIL 2520C-6R8 □-N	6.8	7.96	25	68	1.00	730
WCIL 2520C-100 □-N	10	2.52	20	45	1.50	700
WCIL 2520C-150 □-N	15	2.52	20	40	2.20	500
WCIL 2520C-220 □-N	22	2.52	20	25	2.70	470
WCIL 2520C-330 □-N	33	2.52	20	25	4.00	400
WCIL 2520C-470 □-N	47	2.52	16	20	8.00	300

ELECTRICAL CHARACTERISTICS FOR WCIL 3225C

Part No.	Inductance (uH)	Test Freq. (MHz)	Q Min	Self Resonant FREQ. (MHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
WCIL 3225C-1R0 □-N	1.0	7.96	20	100	0.08	1500
WCIL 3225C-1R5 □-N	1.5	7.96	20	80	0.13	1125
WCIL 3225C-2R2 □-N	2.2	7.96	20	68	0.13	970
WCIL 3225C-3R3 □-N	3.3	7.96	20	54	0.16	837
WCIL 3225C-4R7 □-N	4.7	7.96	20	43	0.23	675
WCIL 3225C-6R8 □-N	6.8	7.96	20	33	0.27	600
WCIL 3225C-100 □-N	10	2.52	15	28	0.36	520
WCIL 3225C-150 □-N	15	2.52	15	19	0.56	480
WCIL 3225C-220 □-N	22	2.52	15	16	0.77	310
WCIL 3225C-330 □-N	33	2.52	15	12	1.10	270
WCIL 3225C-470 □-N	47	2.52	15	10	1.64	210
WCIL 3225C-680 □-N	68	2.52	15	9	2.80	189
WCIL 3225C-101 □-N	100	0.796	15	6	3.70	145
WCIL 3225C-151 □-N	150	0.796	15	5	6.10	120
WCIL 3225C-221 □-N	220	0.796	15	4	8.40	100
WCIL 3225C-331 □-N	330	0.796	15	3.5	12.3	80
WCIL 3225C-471 □-N	470	0.796	15	2.8	22.0	75
WCIL 3225C-681 □-N	680	0.796	15	2	28.0	65

AXIAL FIXED INDUCTORS / AL TYPE

FEATURES

- Wide inductance range
- Ideal for auto insertion
- Conformal coated inductors
- Epoxy resin coating makes it high reliability
- Special magnetic core structure contributes to high Q and Self-Resonant Frequencies

APPLICATIONS

- RF coils
- Choke coils
- Peaking coils

ORDERING CODE

AL 0204 – 6R8 □

- Tolerance (J:±5%, K:±10%, M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES & DIMENSIONS (UINT: mm)

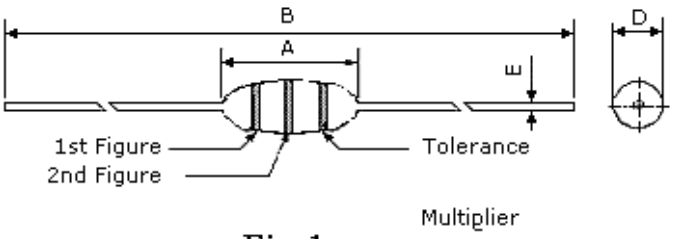


Fig. 1

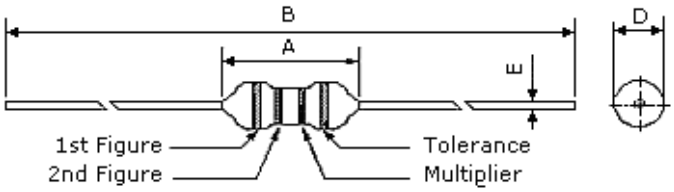


Fig. 2

Part No.	Fig.	A (Max)	B (±2.0)	D (Max)	E (±0.05)
AL 0204	1	4.0	62	3.0	0.55
AL 0307	2	8.0	62	3.0	0.55
AL 0410	2	11.0	62	4.0	0.65
AL 0510	2	12.0	62	5.0	0.65

AXIAL FIXED INDUCTORS / AL TYPE

ELECTRICAL CHARACTERISTICS FOR AL0204

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0204-R10 M	0.10	50	25.2	250	0.030	700
AL 0204-R12 M	0.12	55	25.2	230	0.035	660
AL 0204-R15 M	0.15	55	25.2	200	0.040	620
AL 0204-R18 M	0.18	55	25.2	180	0.045	600
AL 0204-R22 M	0.22	55	25.2	160	0.050	400
AL 0204-R27 M	0.27	50	25.2	150	0.065	380
AL 0204-R33 M	0.33	50	25.2	150	0.075	370
AL 0204-R39 M	0.39	50	25.2	150	0.080	350
AL 0204-R47 M	0.47	60	25.2	150	0.085	330
AL 0204-R56 M	0.56	60	25.2	150	0.090	320
AL 0204-R68 M	0.68	50	25.2	120	0.10	310
AL 0204-R82 M	0.82	50	25.2	110	0.15	290
AL 0204-1R0 K	1.00	50	25.2	110	0.22	270
AL 0204-1R2 K	1.20	40	7.96	100	0.30	260
AL 0204-1R5 K	1.50	40	7.96	80	0.35	250
AL 0204-1R8 K	1.80	40	7.96	65	0.45	240
AL 0204-2R2 K	2.20	40	7.96	55	0.55	230
AL 0204-2R7 K	2.70	40	7.96	50	0.60	220
AL 0204-3R3 K	3.30	40	7.96	42	0.65	210
AL 0204-3R9 K	3.90	45	7.96	38	0.85	200
AL 0204-4R7 K	4.70	45	7.96	34	1.00	190
AL 0204-5R6 K	5.60	45	7.96	32	1.15	180
AL 0204-6R8 K	6.80	40	7.96	30	1.20	175
AL 0204-8R2 K	8.20	40	7.96	26	1.25	165
AL 0204-100 K	10	40	7.96	24	1.5	160
AL 0204-120 K	12	50	2.52	22	2.2	150
AL 0204-150 K	15	50	2.52	20	2.5	145
AL 0204-180 K	18	50	2.52	18	2.8	140
AL 0204-220 K	22	50	2.52	17	3.0	130
AL 0204-270 K	27	55	2.52	14	3.5	80
AL 0204-330 K	33	55	2.52	14	3.8	76
AL 0204-390 K	39	50	2.52	13	4.2	76
AL 0204-470 K	47	50	2.52	12	5.8	70
AL 0204-560 K	56	50	2.52	11	6.4	68
AL 0204-680 K	68	50	2.52	10	7.2	64
AL 0204-820 K	82	50	2.52	9.5	8.5	46
AL 0204-101 K	100	50	2.52	8.0	11	44
AL 0204-121 K	120	30	0.796	6.5	19	42
AL 0204-151 K	150	30	0.796	6.0	22	39
AL 0204-181 K	180	30	0.796	5.2	24	37
AL 0204-221 K	220	30	0.796	4.5	28	35
AL 0204-271 K	270	30	0.796	3.5	29	28
AL 0204-331 K	330	30	0.796	3.0	30	26
AL 0204-391 K	390	30	0.796	2.7	32	25
AL 0204-471 K	470	30	0.796	2.6	35	24
AL 0204-561 K	560	30	0.796	2.5	40	23
AL 0204-681 K	680	30	0.796	2.2	42	22
AL 0204-821 K	820	30	0.796	2.1	46	21
AL 0204-102 K	1000	30	0.796	2.0	52	20

AXIAL FIXED INDUCTORS / AL TYPE

ELECTRICAL CHARACTERISTICS FOR AL0307

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0307-R10 K	0.10	40	25.2	470	0.08	700
AL 0307-R12 K	0.12	40	25.2	450	0.08	700
AL 0307-R15 K	0.15	40	25.2	430	0.09	700
AL 0307-R18 K	0.18	40	25.2	410	0.10	700
AL 0307-R22 K	0.22	40	25.2	380	0.12	700
AL 0307-R27 K	0.27	40	25.2	360	0.15	680
AL 0307-R33 K	0.33	40	25.2	350	0.16	680
AL 0307-R39 K	0.39	40	25.2	320	0.18	680
AL 0307-R47 K	0.47	40	25.2	300	0.26	650
AL 0307-R56 K	0.56	40	25.2	280	0.38	500
AL 0307-R68 K	0.68	40	25.2	250	0.42	500
AL 0307-R82 K	0.82	40	25.2	200	0.55	450
AL 0307-1R0 K	1.00	65	25.2	180	0.12	700
AL 0307-1R2 K	1.20	50	7.96	165	0.18	740
AL 0307-1R5 K	1.50	50	7.96	150	0.20	700
AL 0307-1R8 K	1.80	70	7.96	125	0.23	655
AL 0307-2R2 K	2.20	50	7.96	85	0.25	630
AL 0307-2R7 K	2.70	60	7.96	95	0.28	595
AL 0307-3R3 K	3.30	60	7.96	75	0.30	575
AL 0307-3R9 K	3.90	60	7.96	65	0.32	555
AL 0307-4R7 K	4.70	50	7.96	50	0.35	530
AL 0307-5R6 K	5.60	50	7.96	40	0.40	500
AL 0307-6R8 K	6.80	50	7.96	30	0.45	470
AL 0307-8R2 K	8.20	50	7.96	28	0.55	425
AL 0307-100 K	10	50	7.96	22	0.72	370
AL 0307-120 K	12	50	2.52	20	0.80	350
AL 0307-150 K	15	50	2.52	16	0.88	335
AL 0307-180 K	18	50	2.52	15	1.00	315
AL 0307-220 K	22	60	2.52	13	1.20	285
AL 0307-270 K	27	60	2.52	11	1.35	270
AL 0307-330 K	33	50	2.52	10	1.50	255
AL 0307-390 K	39	50	2.52	9.50	1.70	240
AL 0307-470 K	47	60	2.52	8.50	2.30	205
AL 0307-560 K	56	60	2.52	7.50	2.60	195
AL 0307-680 K	68	60	2.52	6.50	3.20	185
AL 0307-820 K	82	55	2.52	6.00	3.50	175
AL 0307-101 K	100	60	2.52	5.50	3.80	165
AL 0307-121 K	120	75	0.796	5.40	3.80	160
AL 0307-151 K	150	75	0.796	4.75	4.40	150
AL 0307-181 K	180	75	0.796	4.35	5.00	140
AL 0307-221 K	220	75	0.796	4.00	5.70	130
AL 0307-271 K	270	70	0.796	3.70	6.50	120
AL 0307-331 K	330	70	0.796	3.40	9.50	100
AL 0307-391 K	390	70	0.796	2.80	10.5	95
AL 0307-471 K	470	70	0.796	2.60	12.5	90
AL 0307-561 K	560	70	0.796	2.40	14.5	85
AL 0307-681 K	680	70	0.796	2.00	18.0	75
AL 0307-821 K	820	60	0.796	1.60	23.7	65
AL 0307-102 K	1000	60	0.796	1.15	30.0	60

AXIAL FIXED INDUCTORS / AL TYPE

ELECTRICAL CHARACTERISTICS FOR AL0410

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0410-R10 M	0.10	50	25.2	470	0.04	900
AL 0410-R12 M	0.12	50	25.2	450	0.06	900
AL 0410-R15 M	0.15	50	25.2	430	0.07	890
AL 0410-R18 M	0.18	50	25.2	410	0.07	890
AL 0410-R22 M	0.22	50	25.2	380	0.08	880
AL 0410-R27 M	0.27	50	25.2	340	0.09	800
AL 0410-R33 M	0.33	50	25.2	300	0.10	750
AL 0410-R39 M	0.39	50	25.2	280	0.12	680
AL 0410-R47 M	0.47	50	25.2	250	0.16	650
AL 0410-R56 M	0.56	50	25.2	230	0.18	600
AL 0410-R68 M	0.68	50	25.2	210	0.22	550
AL 0410-R82 M	0.82	50	25.2	172	0.24	980
AL 0410-1R0 K	1.00	50	25.2	157	0.09	920
AL 0410-1R2 K	1.20	50	7.96	144	0.10	880
AL 0410-1R5 K	1.50	55	7.96	131	0.23	830
AL 0410-1R8 K	1.80	60	7.96	121	0.25	790
AL 0410-2R2 K	2.20	80	7.96	110	0.28	750
AL 0410-2R7 K	2.70	85	7.96	100	0.30	720
AL 0410-3R3 K	3.30	90	7.96	94	0.34	670
AL 0410-3R9 K	3.90	90	7.96	86	0.37	640
AL 0410-4R7 K	4.70	90	7.96	80	0.39	620
AL 0410-5R6 K	5.60	80	7.96	74	0.43	590
AL 0410-6R8 K	6.80	80	7.96	58	0.48	550
AL 0410-8R2 K	8.20	85	7.96	53	0.52	530
AL 0410-100 K	10	85	7.96	45	0.58	500
AL 0410-120 K	12	75	2.52	30	0.63	480
AL 0410-150 K	15	75	2.52	20	0.72	460
AL 0410-180 K	18	70	2.52	14	0.77	430
AL 0410-220 K	22	65	2.52	9.90	0.84	410
AL 0410-270 K	27	65	2.52	7.60	0.94	390
AL 0410-330 K	33	55	2.52	6.30	1.03	370
AL 0410-390 K	39	55	2.52	6.30	1.12	350
AL 0410-470 K	47	45	2.52	6.30	1.22	340
AL 0410-560 K	56	45	2.52	6.20	1.34	320
AL 0410-680 K	68	40	2.52	5.70	1.47	305
AL 0410-820 K	82	35	2.52	5.30	1.62	290
AL 0410-101 K	100	30	2.52	4.80	1.80	275
AL 0410-121 K	120	70	0.796	3.80	3.70	185
AL 0410-151 K	150	80	0.796	3.50	4.20	175
AL 0410-181 K	180	80	0.796	3.30	4.60	165
AL 0410-221 K	220	70	0.796	3.00	5.10	155
AL 0410-271 K	270	70	0.796	2.80	5.80	145
AL 0410-331 K	330	65	0.796	2.60	6.40	137
AL 0410-391 K	390	65	0.796	2.40	7.00	133
AL 0410-471 K	470	60	0.796	2.25	7.70	126
AL 0410-561 K	560	60	0.796	2.10	8.50	120
AL 0410-681 K	680	55	0.796	1.95	9.40	113
AL 0410-821 K	820	55	0.796	1.85	12.0	100
AL 0410-102 K	1000	50	0.796	1.40	17.0	100

AXIAL FIXED INDUCTORS / AL TYPE

ELECTRICAL CHARACTERISTICS FOR AL0510

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (KHz)	Q Test Freq. (KHz)	DCR (Ω) Max	IDC (mA) Max
AL 0510-102 K	1000	80	1	252	8	360
AL 0510-122 K	1200	80	1	252	8	340
AL 0510-152 K	1500	80	1	252	9	320
AL 0510-182 K	1800	80	1	252	10	300
AL 0510-222 K	2200	80	1	252	11	280
AL 0510-272 K	2700	80	1	252	14	250
AL 0510-332 K	3300	80	1	252	18	230
AL 0510-392 K	3900	80	1	252	22	200
AL 0510-472 K	4700	80	1	252	26	190
AL 0510-562 K	5600	60	1	252	30	175
AL 0510-682 K	6800	60	1	252	34	150
AL 0510-822 K	8200	60	1	252	48	130
AL 0510-103 K	10000	60	1	252	62	120
AL 0510-123 K	12000	60	1	252	74	108
AL 0510-153 K	15000	60	1	252	88	100
AL 0510-183 K	18000	40	1	79.6	102	85
AL 0510-223 K	22000	40	1	79.6	150	75
AL 0510-273 K	27000	40	1	79.6	210	70
AL 0510-303 K	30000	40	1	79.6	240	65
AL 0510-333 K	33000	40	1	79.6	250	63
AL 0510-393 K	39000	40	1	79.6	270	60

COMMON MODE CHOKE COILS / LFV TYPE

FEATURES

- Wide inductance range
- Easy PC Board Mounting
- High levels of safety and reliability
- Available as vertically or horizontally mounted

APPLICATIONS

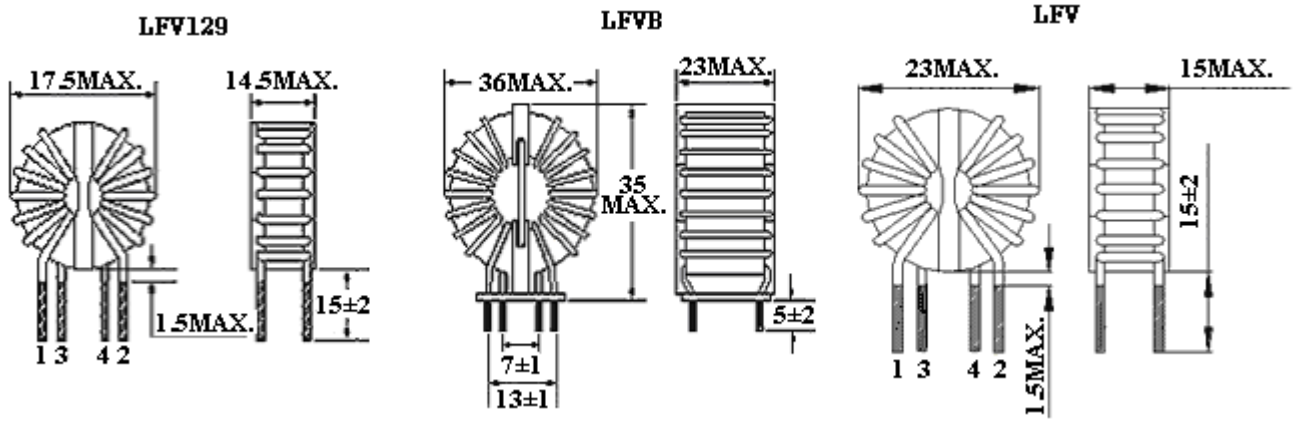
- TV, VCR
- NC machines
- Peripheral units
- Computer systems
- Measuring instruments
- Switching power sources

ORDERING CODE

LFV 129 - 601 1A

- 1A — Rated Current
- 601 — Inductance
- 129 — 129 Bobbin
- LFV — Product Symbol

SHAPES & DIMENSIONS (UNIT: mm)



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COMMON MODE CHOKE COILS / LFV TYPE

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (mH) (MIN)	DC Resistance (mΩ) MAX	Rated Current (A)
LFV129	0.6-5	30-150	1-3
LFVB	0.2-5	5-70	3-15
LFV	1.0-10	80-260	1-2

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

DUAL WIRE WOUND TYPE COMMON MODE CHOKE COILS / SP TYPE

FEATURES

- The series has high common mode impedance in small size.
- The series is effective for common mode noise suppression in digital equipment which radiation is caused from cables.
- Suitable for reflow soldering.

APPLICATIONS

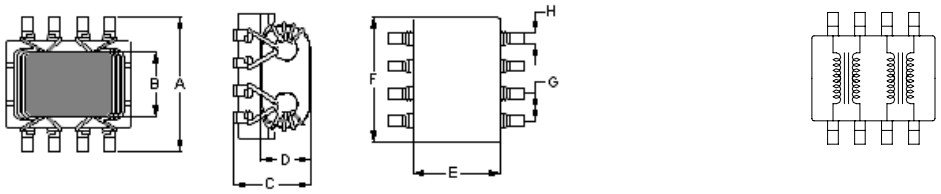
- The series is effective in high frequency noise suppression and suitable for radiation noise in signal cables. The dual winding type common mode choke coil structure enables noise suppression without degrading the signal. They can be as a common mode filter for USB2.0 & IEEE1394.

ORDERING CODE

SP - 6560 – 700 □

- Tolerance
- Impedance
- Dimension (in mm)
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

A (Max)	B (Ref.)	C (Max)	D (Ref.)	E (Ref.)	F (Max)	H	G
6.7	3.0	3.5	2.0	4.0	6.2	0.50 ± 0.1	1.27 ± 0.1

ELECTRICAL CHARACTERISTICS FOR SP 6560

Part No.	Common Mode Impedance at 100MHz (Ω)	DC Resistance (Ω) MAX	Rated Current (mA)
SP6560-900	90 ± 25%	0.10	500
SP6560-121	120 ± 25%	0.12	500
SP6560-221	220 ± 25%	0.15	500
SP6560-301	300 ± 25%	0.16	500
SP6560-501	500 ± 25%	0.20	500

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EMI COMMON-MODE LINE FILTERS / BC TYPE

FEATURES

- Low cost.
- Ideal for EMI protection.
- Meets UL 94V-0 flammability standard.
- Highly accurate dimensions and taped for automatic inserting.

APPLICATIONS

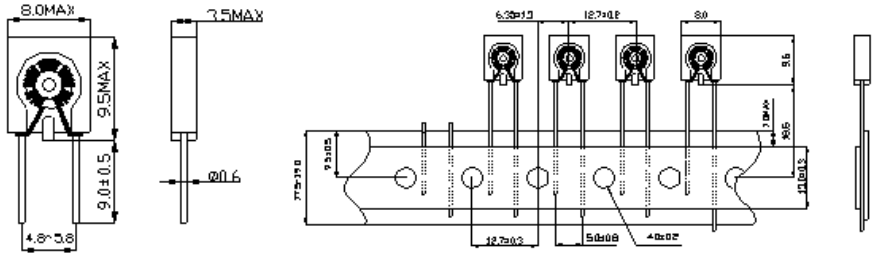
- VCD, DVD and TV circuits .
- Microcomputer and peripheral devices .

ORDERING CODE

BC 809535 –101 □

- Tolerance
- Inductance
- Dimension (in mm)
- Product Symbol

SHAPES



ELECTRICAL CHARACTERISTICS FOR BC 809535

Part No.	Inductance (uH) (1KHz/0.25V)	DC Resistance (mΩ/line) MAX	Rated Current (mA)
BC809535-4R7	4.7 ± 35%	20	200
BC809535-8R2	8.2 ± 35%	25	200
BC809535-100	10 ± 35%	25	500
BC809535-220	22 ± 35%	30	500
BC809535-330	33 ± 35%	35	500
BC809535-390	39 ± 35%	40	500
BC809535-470	47 ± 35%	45	500
BC809535-560	56 ± 35%	50	500
BC809535-600	60 ± 35%	58	500
BC809535-820	82 ± 35%	62	500

EMI COMMON-MODE LINE FILTERS / BC TYPE

Part No.	Inductance (uH) (1KHz/0.25V)	DC Resistance (mΩ/line) MAX	Rated Current (mA)
BC809535-101	100 ± 35%	95	500
BC809535-121	120 ± 35%	100	500

Notes:
1) Test Equipment : HP4284A or WK3260B LCR Meter.
2) DCR limits @ 20°C.Test Equipment: CH502BC.

EMI COMMON-MODE LINE FILTERS / BCH TYPE

FEATURES

- High impedance and excellent frequency characteristic.
- Low magnetic flux leakage.
- Self electromagnetic shielding.

APPLICATIONS

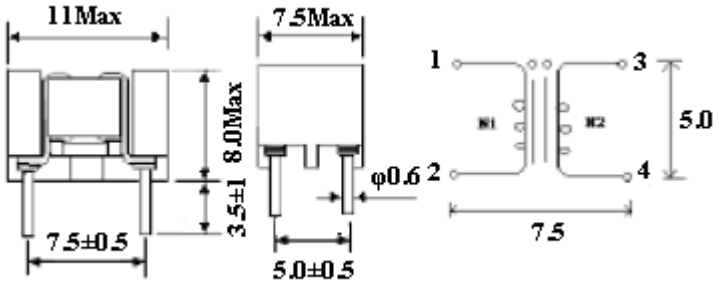
- EMI countermeasures at signal lines of personal computers, microcomputers, peripheral devices, Countermeasures against common-mode noise at composite at video signals.

ORDERING CODE

BCH □□□□□□ - □□□ - □

- Tolerance
- Inductance
- Dimension
- Product Symbol

SHAPES & DIMENSIONS (UNIT: mm)



EMI COMMON-MODE LINE FILTERS / BCH TYPE

SPECIFICATIONS

Part No.	Rated Voltage DC (V)	Inductance (μH) (1KHz/0.25V)	DC Resistance (mΩ)(MAX)	Rated Current (A)
BCH 751175-6R7	50	6.70 ± 35%	20	3
BCH 751175-7R7	50	7.70 ± 35%	30	3
BCH 751175-120	50	12.0 ± 50%	45	3
BCH 751175-270	50	27.0 ± 50%	200	3

*Withstanding voltage:200VDC(one minute,between lines)

*Insulation resistance: more than 10MΩ(100VDC, between lines)

EMI COMMON-MODE LINE FILTERS / BCV TYPE

FEATURES

- Low cost.
- Common mode for DC power lines.
- Single layer winding for minimum capacitance.
- Meets UL 94V-0 flammability standard.

APPLICATIONS

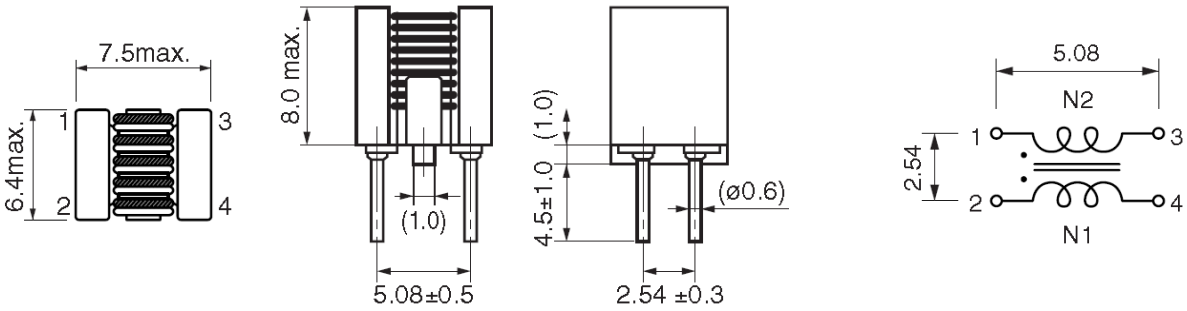
- EMI countermeasures at signal lines of personal computers, microcomputers, peripheral devices, Communication equipment, Countermeasures against common-mode noise at composite at video signals.

ORDERING CODE

BCV 649075 –150 □

- Tolerance
- Inductance
- Dimension (in mm)
- Product Symbol

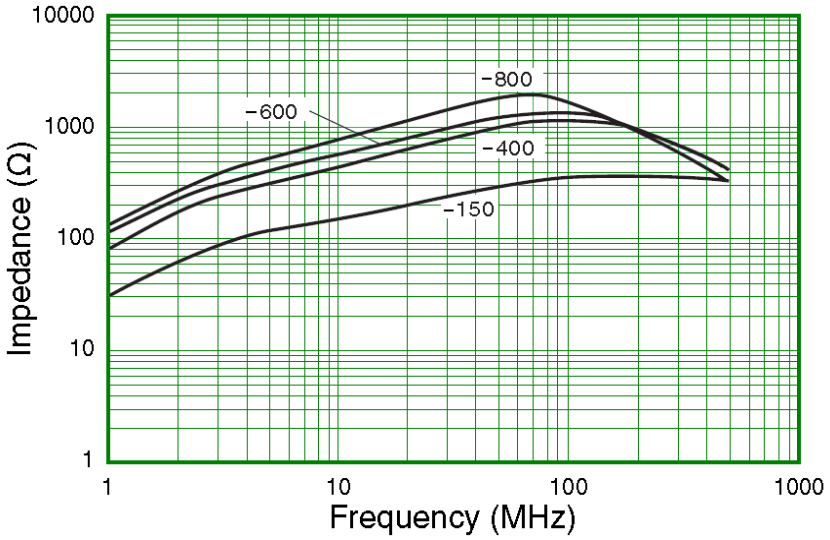
SHAPES



ELECTRICAL CHARACTERISTICS FOR BCV 649075

Part No.	Inductance (uH) (1KHz/0.25V)	DC Resistance (mΩ/line) MAX	Rated Current (mA)
BCV649075-150	15 ± 35%	35	500
BCV649075-400	40 ± 35%	40	500
BCV649075-600	60 ± 35%	45	500
BCV649075-800	80 ± 35%	55	500

Impedance vs. Frequency



HIGH CURRENT FILTER CHOKES / HC TYPE

FEATURES

- Coated with varnish
- Use ferrite cores
- Low cost design
- General purpose inductors
- High saturation current

APPLICATIONS

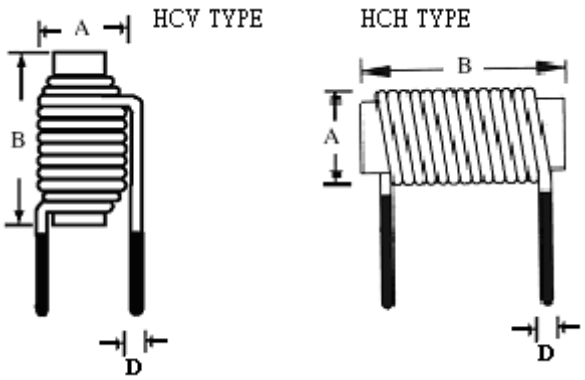
- Output chokes
- SCR and Triac circuits
- Power supplies and amplifier
- Noise filters for switching regulators
- Other filters

ORDERING CODE

HCV/H 0520 – 1R0 □

- □ — Tolerance (K:±10%, M: ±20%)
- 1R0 — Inductance
- 0520 — Dimension (AxB)
- HCV/H — Product Symbol (V: Vertical, H: Horizontal)

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	D
HC 0415	5.5	16.0	0.40 ± 0.05
HC 0520	7.0	21.0	0.65 ± 0.05
HC 0630	9.5	31.0	1.20 ± 0.05

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

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HIGH CURRENT WOUND TYPE COMMON MODE CHOKE COILS / CM TYPE

FEATURES

- High common mode impedance at high frequency effects excellent noise suppression performance.
- The common mode choke coils structure enables noise suppression without degrading the signal.
- Suitable for and reflow soldering

APPLICATIONS

- EMI countermeasures at signal lines of personal computers, microcomputers, peripheral devices, Countermeasures against common-mode noise at composite at video signals.

ORDERING CODE

CM 465516 –251

- 251 — Impedance
- 465516 — Dimension (in mm)
- CM — Product Symbol

SHAPES

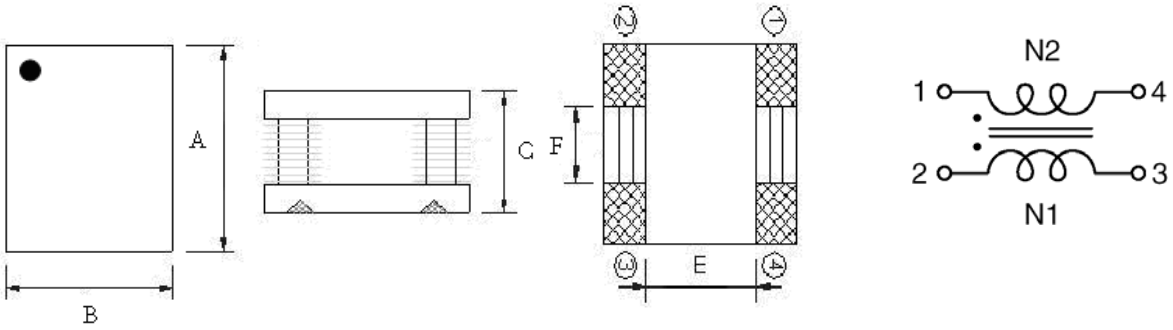


Fig.1

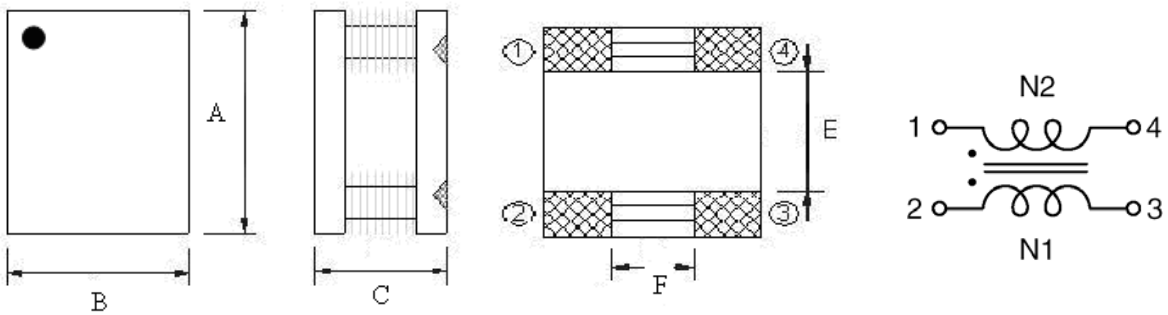


Fig.2

HIGH CURRENT WOUND TYPE COMMON MODE CHOKE COILS / CM TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C	E (REF)	F (REF)
CM465516	1	6.2 (MAX)	4.6 ± 0.3	2.1 (MAX)	2.7	2.2
CM508505	1	8.5 ± 0.3	5.0 ± 0.3	5.0 ± 0.3	1.8	4.0
CM750603	2	7.5 ± 0.3	6.0 ± 0.3	3.2 ± 0.3	2.5	1.8
CM100805	2	10.0 ± 0.3	8.0 ± 0.3	5.2 ± 0.3	4.0	2.5
CM121006	2	12.0 ± 0.5	10.0 ± 0.5	6.2 ± 0.3	5.0	3.0

ELECTRICAL CHARACTERISTICS FOR CM

Part No.	Rated Current (mA)	Common Mode Impedance (Ω) (Ref.)			DC Resistance (mΩ) (Max)
		1MHz	50MHz	100MHz	
CM 465516-251	2000		130 (25MHz)	250	40
CM 465516-601	500	40	500	600	70
CM 508505-202	2000	150	1500	2000	75
CM 508505-701	2500	40	500	700	35
CM 750603-601	2000			600 (MIN)	45
CM 100805-601	4000	60	1000	600	30
CM 121006-201	6000	20	400	200	20
CM 121006-102	5000	50	1500	1000	25
CM 121006-202	5000	75	2300	2000	30

Note:
1, Inductance is measured by LCR-meter 4284A (HP) or equivalent.
2, DC Resistance is measured by HP4338B Milliohms Meter or equivalent.

LEADED RADIAL LEADED POWER LINE CHOKES / LRC TYPE

FEATURES

- The use of high saturation flux density material makes these coils ideal for use in switching regulated power supply application and wherever high current choke values in a small physical size are needed.

APPLICATIONS

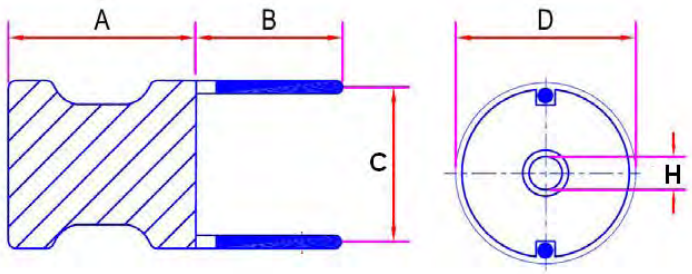
- Switching Regulators
- SCR and Triac Controls
- RFI Suppression
- Power Amplifiers
- Speaker Crossover Networks
- Filters

ORDERING CODE

LRC 1420 U - 1R5 □ □□□

- Rated Current
- Tolerance (K:±10%, M:±20%)
- Inductance
- UL TUBE
- Dimension
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm

Part No.	A (MAX)	B	C (REF)	D (MAX)	H (MIN)
LRC1420U	21.5	15 ± 3.0	12.0	16.5	3.0
LRC1820U	21.5	15 ± 3.0	15.0	21.0	3.0
LRC2620U	21.5	15 ± 3.0	22.0	28.0	5.0
LRC3525U	28.0	15 ± 3.0	30.0	40.0	3.6

LEADED RADIAL LEADED POWER LINE CHOKES / LRC TYPE

SPECIFICATIONS

Part No.	Inductance (μH) At 1KHz	Rated Current (A)	DC Resistance (Ω) Max	Part No.	Inductance (μH) At 1KHz	Rated Current (A)	DC Resistance (Ω) Max
LRC1420U-1R0M	1.0	28	0.003	**LRC1820U-1R0M**	1.0	60	0.003
LRC1420U-1R2M	1.2	26	0.003	**LRC1820U-1R2M**	1.2	54	0.003
LRC1420U-1R5M	1.5	23	0.004	**LRC1820U-1R5M**	1.5	48	0.003
LRC1420U-1R8M	1.8	21	0.004	**LRC1820U-1R8M**	1.8	44	0.003
LRC1420U-2R2M	2.2	19	0.005	**LRC1820U-2R2M**	2.2	40	0.004
LRC1420U-2R7M	2.7	17	0.005	**LRC1820U-2R7M**	2.7	36	0.005
LRC1420U-3R3M	3.3	15	0.005	**LRC1820U-3R3M**	3.3	33	0.005
LRC1420U-3R9M	3.9	14	0.006	**LRC1820U-3R9M**	3.9	30	0.005
LRC1420U-4R7M	4.7	13	0.007	**LRC1820U-4R7M**	4.7	28	0.005
LRC1420U-5R6M	5.6	12	0.007	**LRC1820U-5R6M**	5.6	25	0.006
LRC1420U-6R8M	6.8	11	0.008	**LRC1820U-6R8M**	6.8	23	0.007
LRC1420U-8R2M	8.2	10	0.009	**LRC1820U-8R2M**	8.2	21	0.007
LRC1420U-100K	10	9.0	0.010	**LRC1820U-100K**	10	19	0.009
LRC1420U-120K	12	8.5	0.011	**LRC1820U-120K**	12	17	0.009
LRC1420U-150K	15	7.5	0.015	**LRC1820U-150K**	15	15	0.013
LRC1420U-180K	18	6.8	0.016	**LRC1820U-180K**	18	14	0.018
LRC1420U-220K	22	6.0	0.025	**LRC1820U-220K**	22	13	0.019
LRC1420U-270K	27	5.5	0.030	**LRC1820U-270K**	27	11	0.026
LRC1420U-330K	33	5.0	0.040	**LRC1820U-330K**	33	10	0.029
LRC1420U-390K	39	4.5	0.046	**LRC1820U-390K**	39	9.5	0.030
LRC1420U-470K	47	4.0	0.062	**LRC1820U-470K**	47	8.8	0.035
LRC1420U-560K	56	3.7	0.069	**LRC1820U-560K**	56	8.0	0.039
LRC1420U-680K	68	3.4	0.077	**LRC1820U-680K**	68	7.2	0.053
LRC1420U-820K	82	3.1	0.083	**LRC1820U-820K**	82	6.6	0.060
LRC1420U-101K	100	2.8	0.095	**LRC1820U-101K**	100	6.0	0.080
LRC1420U-121K	120	2.5	0.127	**LRC1820U-121K**	120	5.5	0.090
LRC1420U-151K	150	2.3	0.181	**LRC1820U-151K**	150	4.8	0.098
LRC1420U-181K	180	2.1	0.217	**LRC1820U-181K**	180	4.4	0.110
LRC1420U-221K	220	1.9	0.240	**LRC1820U-221K**	220	4.0	0.150
LRC1420U-271K	270	1.7	0.300	**LRC1820U-271K**	270	3.6	0.213
LRC1420U-331K	330	1.5	0.336	**LRC1820U-331K**	330	3.3	0.305
LRC1420U-391K	390	1.4	0.460	**LRC1820U-391K**	390	3.0	0.320
LRC1420U-471K	470	1.3	0.636	**LRC1820U-471K**	470	2.7	0.355
LRC1420U-561K	560	1.2	0.696	**LRC1820U-561K**	560	2.5	0.388

LEADED RADIAL LEADED POWER LINE CHOKES / LRC TYPE

SPECIFICATIONS

Part No.	Inductance (μH) At 1KHz	Rated Current (A)	DC Resistance (Ω) Max	Part No.	Inductance (μH) At 1KHz	Rated Current (A)	DC Resistance (Ω) Max
LRC2620U-3R9M	3.9	32.0	0.003	**LRC3525U-3R9M**	3.9	95	0.003
LRC2620U-4R7M	4.7	29.0	0.003	**LRC3525U-4R7M**	4.7	95	0.003
LRC2620U-5R6M	5.6	26.0	0.003	**LRC3525U-5R6M**	5.6	79	0.004
LRC2620U-6R8M	6.8	24.0	0.004	**LRC3525U-6R8M**	6.8	79	0.004
LRC2620U-8R2M	8.2	22.0	0.004	**LRC3525U-8R2M**	8.2	69	0.004
LRC2620U-100K	10	20.0	0.006	**LRC3525U-100K**	10	61	0.005
LRC2620U-120K	12	18.0	0.008	**LRC3525U-120K**	12	55	0.005
LRC2620U-150K	15	16.0	0.009	**LRC3525U-150K**	15	49	0.006
LRC2620U-180K	18	15.0	0.010	**LRC3525U-180K**	18	41	0.008
LRC2620U-220K	22	13.5	0.011	**LRC3525U-220K**	22	38	0.009
LRC2620U-270K	27	12.0	0.012	**LRC3525U-270K**	27	36	0.010
LRC2620U-330K	33	11.0	0.017	**LRC3525U-330K**	33	31	0.011
LRC2620U-390K	39	10.0	0.022	**LRC3525U-390K**	39	28	0.012
LRC2620U-470K	47	9.2	0.024	**LRC3525U-470K**	47	27	0.018
LRC2620U-560K	56	8.5	0.026	**LRC3525U-560K**	56	26	0.019
LRC2620U-680K	68	7.6	0.029	**LRC3525U -680K**	68	25	0.021
LRC2620U-820K	82	7.0	0.032	**LRC3525U -820K**	82	23	0.023
LRC2620U-101K	100	6.5	0.034	**LRC3525U -101K**	100	20	0.025
LRC2620U-121K	120	5.8	0.046	**LRC3525U -121K**	120	18	0.028
LRC2620U-151K	150	5.2	0.064	**LRC3525U -151K**	150	17	0.040
LRC2620U-181K	180	4.7	0.072	**LRC3525U -181K**	180	15	0.045
LRC2620U-221K	220	4.3	0.080	**LRC3525U -221K**	220	13	0.050
LRC2620U-271K	270	3.9	0.110	**LRC3525U -271K**	270	12	0.056
LRC2620U-331K	330	3.5	0.122	**LRC3525U -331K**	330	11	0.074
LRC2620U-391K	390	3.2	0.169	**LRC3525U -391K**	390	10	0.082
LRC2620U-471K	470	2.9	0.187	**LRC3525U -471K**	470	9.2	0.114
LRC2620U-561K	560	2.7	0.205	**LRC3525U -561K**	560	8.3	0.125
LRC2620U-681K	680	2.4	0.256	**LRC3525U -681K**	680	7.6	0.139
LRC2620U-821K	820	2.2	0.288	**LRC3525U -821K**	820	6.8	0.154
LRC2620U-102K	1000	2.0	0.426	**LRC3525U -102K**	1000	6.2	0.216
LRC2620U-122K	1200	1.8	0.462	**LRC3525U -122K**	1200	5.7	0.232
LRC2620U-152K	1500	1.6	0.518	**LRC3525U -152K**	1500	5.1	0.324
LRC2620U-182K	1800	1.5	0.705	**LRC3525U -182K**	1800	4.6	0.360
LRC2620U-222K	2200	1.3	1.020	**LRC3525U -222K**	2200	4.2	0.494
LRC2620U-272K	2700	1.2	1.140	**LRC3525U -272K**	2700	3.8	0.555
LRC2620U-332K	3300	1.1	1.270	**LRC3525U -332K**	3300	3.4	0.773
LRC2620U-392K	3900	1.0	1.670	**LRC3525U -392K**	3900	3.1	0.845
LRC2620U-472K	4700	0.9	1.860	LRC3525U -472K	4700	2.9	1.140

LINE FILTERS / LFU TYPE

FEATURES

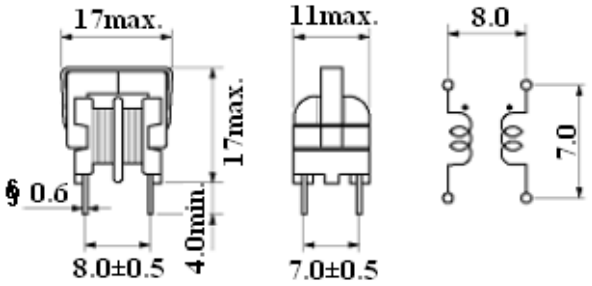
- High impedance and excellent frequence characteristic. Low magnetic flux leakage. gineers with its impedance characteristics.

APPLICATIONS

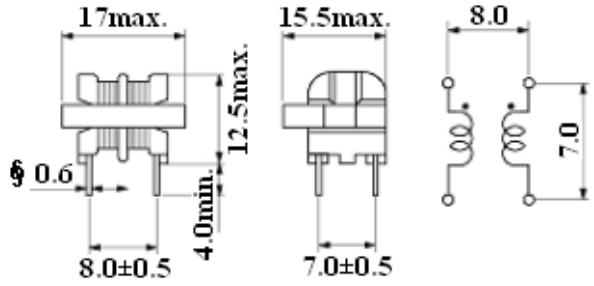
- Power switching, TV game, Monitor , Car recharger , etc. Design as Customers Requested Specifications.

SHAPES AND DIMENSIONS (UNIT: mm)

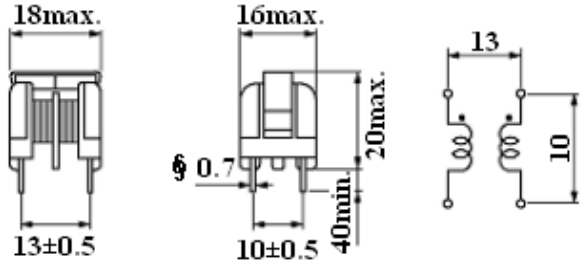
LFU09V SHAPE



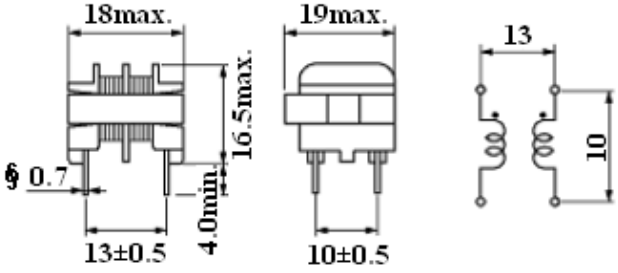
LFU09H SHAPE



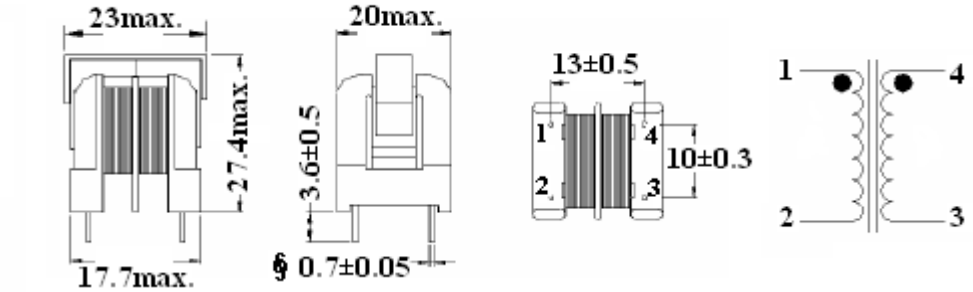
LFU10V SHAPE



LFU10H SHAPE



LFU16V SHAPE



LINE FILTERS / LFU TYPE

SPECIFICATIONS FOR LFU09

Part No.	Rated Voltage (AC/DC)	DC Resistance (Ω) Max	Rated Current (A)	Inductance (mH) Min	Temperature Rise Max (℃)
LFU09-501	250V	0.3	1.0	0.5	40
LFU09-102	250V	0.6	0.7	1.0	40
LFU09-202	250V	1.0	0.5	2.0	40
LFU09-502	250V	3.0	0.3	5.0	40
LFU09-802	250V	6.0	0.2	8.0	40
LFU09-103	250V	8.0	0.1	10.0	40

SPECIFICATIONS FOR LFU10

Part No.	Rated Voltage (AC/DC)	DC Resistance (Ω) Max	Rated Current (A)	Inductance (mH) Min	Temperature Rise (Max) (℃)
LFU10-601	250V	0.15	2.0	0.6	40
LFU10-102	250V	0.4	1.0	1.0	40
LFU10-202	250V	0.5	1.0	2.0	40
LFU10-302	250V	0.5	1.0	3.0	40
LFU10-402	250V	1.0	0.7	4.0	40
LFU10-502	250V	1.0	0.5	5.0	40
LFU10-103	250V	3.0	0.3	10.0	40

SPECIFICATIONS FOR LFU16

Part No.	Rated Voltage (AC/DC)	DC Resistance (Ω) Max	Rated Current (A)	Inductance (mH) Min	Temperature Rise (Max) (℃)	Temperature Range (℃)
LFU16-152	250V	0.15	1.5	1.5	40	-25 ~ 120
LFU16-252	250V	0.25	1.2	2.5	40	-25 ~ 120
LFU16-352	250V	0.30	1.2	3.5	40	-25 ~ 120
LFU16-402	250V	0.40	1.0	4.0	40	-25 ~ 120
LFU16-602	250V	0.50	1.0	6.0	40	-25 ~ 120
LFU16-802	250V	0.80	0.8	8.0	40	-25 ~ 120
LFU16-103	250V	1.20	0.6	10	40	-25 ~ 120
LFU16-203	250V	1.60	0.5	20	40	-25 ~ 120
LFU16-303	250V	2.80	0.4	30	40	-25 ~ 120

LOW LEAKAGE SHIELDED INDUTORS / SRC TYPE

FEATURES

- Low distortion.
- The magnetic shield in a metal case is aviable.

APPLICATIONS

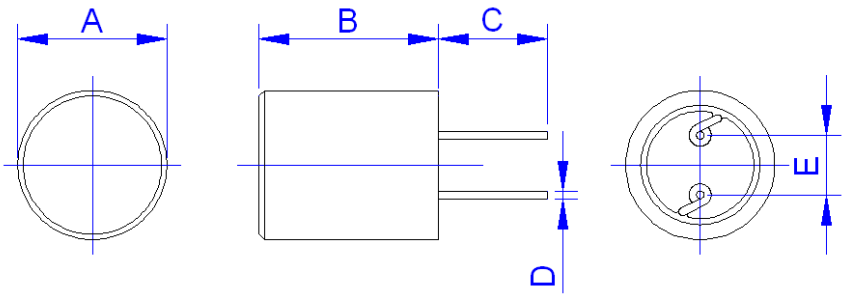
- Magnetically shielded construction.
- Ideally Used in Printers, LCD TV, DVD, Printer, Copy Machine, Main board of the compounding machines, etc as Power Supplies's Inductors or DC-DC Converter inductors.

ORDERING CODE

SRC 1013 – 4R3 □

- Tolerance (K:±10%, M:±20%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES



DIMENSIONS UNIT: mm (inch)

Part No.	A (MAX)	B	C (REF)	D	E (REF)
SRC1013	11.0	13.5	5.0	0.7 ± 0.1	5.0
SRC1317	13.5	17.5	4.5	0.7 ± 0.1	5.0
SRC1616	16.0	16.0	5.0	0.8 ± 0.1	7.5
SRC1619	16.0	19.2	5.0	1.0 ± 0.1	7.5

LOW LEAKAGE SHIELDED INDUTORS / SRC TYPE

ELECTRICAL CHARACTERISTICS FOR SRC1013

Part No.	Inductance (uH)	DC Resistance (Ω) Max	Rated Current (A) Max
SRC1013-4R3M	4.3 ± 20%	0.021	4.60
SRC1013-6R8M	6.8 ± 20%	0.024	3.60
SRC1013-100M	10 ±20%	0.030	3.46
SRC1013-150M	15 ± 20%	0.038	2.57
SRC1013-220M	22 ± 20%	0.045	2.21
SRC1013-330M	33 ± 20%	0.057	1.83
SRC1013-470M	47 ± 20%	0.090	1.60
SRC1013-680M	68 ± 20%	0.150	1.36
SRC1013-101M	100 ± 20%	0.210	1.10
SRC1013-151M	150 ± 20%	0.242	0.86
SRC1013-221M	220 ± 20%	0.360	0.74
SRC1013-331M	330 ± 20%	0.430	0.57
SRC1013-471M	470 ± 20%	0.810	0.48
SRC1013-681M	680 ± 20%	0.952	0.38
SRC1013-102M	1000 ± 20%	1.600	0.39

ELECTRICAL CHARACTERISTICS FOR SRC1317

Part No.	Inductance (uH)	DC Resistance (Ω) Max	Rated Current (A) Max
SRC1317-330M	33 ± 20%	0.058	4.80
SRC1317-470M	47 ± 20%	0.069	4.30
SRC1317-680M	68 ± 20%	0.101	3.30
SRC1317-820M	82 ± 20%	0.110	3.10
SRC1317-101M	100 ± 20%	0.125	2.80
SRC1317-151L	150 ± 15%	0.195	2.40
SRC1317-221L	220 ± 15%	0.278	1.90
SRC1317-331L	330 ± 15%	0.360	1.60
SRC1317-471L	470 ± 15%	0.530	1.35
SRC1317-681L	680 ± 15%	0.780	1.12
SRC1317-821L	820 ± 15%	0.950	1.02
SRC1317-102L	1000 ± 15%	1.180	0.90
SRC1317-152L	1500 ± 15%	1.400	0.72
SRC1317-222L	2200 ± 15%	2.280	0.62
SRC1317-332L	3300 ± 15%	3.310	0.51
SRC1317-472L	4700 ± 15%	5.020	0.43

LOW LEAKAGE SHIELDED INDUTORS / SRC TYPE

ELECTRICAL CHARACTERISTICS FOR SRC1616

Part No.	Inductance (uH)	DC Resistance (Ω) Max	Rated Current (A) Max
SRC1616-4R7M	4.7 ± 20%	0.0670	12.6
SRC1616-6R8M	6.8 ± 20%	0.0935	9.8
SRC1616-100M	10 ± 20%	0.0105	9.3
SRC1616-150M	15 ± 20%	0.0145	7.1
SRC1616-220M	22 ± 20%	0.0170	6.2
SRC1616-330M	33 ± 20%	0.0270	5.0
SRC1616-470M	47 ± 20%	0.0370	4.2
SRC1616-680M	68 ± 20%	0.0560	3.3
SRC1616-820M	82 ± 20%	0.0645	2.9
SRC1616-101K	100 ± 10%	0.0680	2.7
SRC1616-151K	150 ± 10%	0.0910	2.3
SRC1616-221K	220 ± 10%	0.1550	1.8
SRC1616-331K	330 ± 10%	0.2400	1.5
SRC1616-471K	470 ± 10%	0.2800	1.2
SRC1616-681K	680 ± 10%	0.5150	1.0
SRC1616-821K	820 ± 10%	0.5750	0.96
SRC1616-102K	1000 ± 10%	0.6650	0.85

ELECTRICAL CHARACTERISTICS FOR SRC1619

Part No.	Inductance (uH)	DC Resistance (Ω) Max	Rated Current (A) Max
SRC1619-100M	10 ± 20%	0.020	7.0
SRC1619-150M	15 ± 20%	0.022	6.0
SRC1619-180M	18 ± 20%	0.025	5.2
SRC1619-220K	22 ± 10%	0.028	4.9
SRC1619-330K	33 ± 10%	0.033	3.9
SRC1619-470K	47 ± 10%	0.038	3.4
SRC1619-680K	68 ± 10%	0.046	2.90
SRC1619-101K	100 ± 10%	0.053	2.50
SRC1619-151K	150 ± 10%	0.077	2.00
SRC1619-221K	220 ± 10%	0.140	1.60
SRC1619-331K	330 ± 10%	0.270	1.30
SRC1619-471K	470 ± 10%	0.460	1.10
SRC1619-681K	680 ± 10%	0.560	0.90
SRC1619-102K	1000 ± 10%	0.690	0.75

Notes:
1) Open Circuit Inductance Test Parameters: 1.0kHz, 0.25Vrms, 0.0Adc, Test Equipment : HP4284A or WK3260B LCR Meter.
2) DCR limits @ 20°C.Test Equipment: CH502BC.

CORE MASTER ENTERPRISE CO., LTD.
http://www.coremaster.com.tw

RADIAL CHOKE COILS / RC TYPE

FEATURES

- High rated current for high current circuits.Designed by special lead wire to prevent open circuit failure.
- Low cost with rugged reliability and performance fixed inductor.

APPLICATIONS

- Excellent as DC-DC converter boost or buck inductors.Also used for filtering applications.

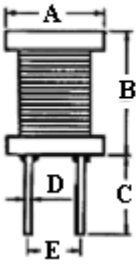
ORDERING CODE

RC 0608 U - 151 □

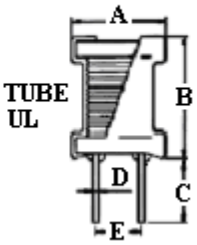
- Tolerance (K:±10%, M:±20%)
- Inductance
- U: UL Tube
- Dimension (AxB)
- Product Symbol

SHAPES

(WITHOUT TUBE)



(WITH UL TUBE)



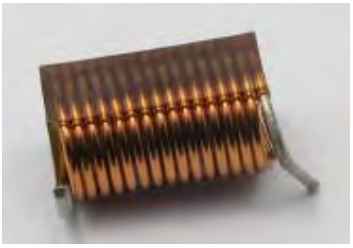
DIMENSIONS UNIT: mm (WITH ULTUBE)

Part No.	A (Max)	B (Max)	C (Min)	D (Typ)	E (Ref.)
RC 0406	5.5	8.0	10	0.50	2.6
RC 0608	7.5	10.0	10	0.60	2.6
RC 0810	10.5	12.5	10	0.65	5.0
RC 0912	11.5	14.0	10	0.80	5.0
RC 1012	11.5	14.0	10	0.80	6.0
RC 1016	12.0	18.0	10	0.80	7.0

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

SMD SPRING AIR COILS / AC TYPE

FEATURES



- Tinned leads assure reliable soldering
- Jacket with a high temperature material which assures mechanical stability and small tolerance
- Forms a flat tope making them suitable for automatic placement and reflow

APPLICATIONS

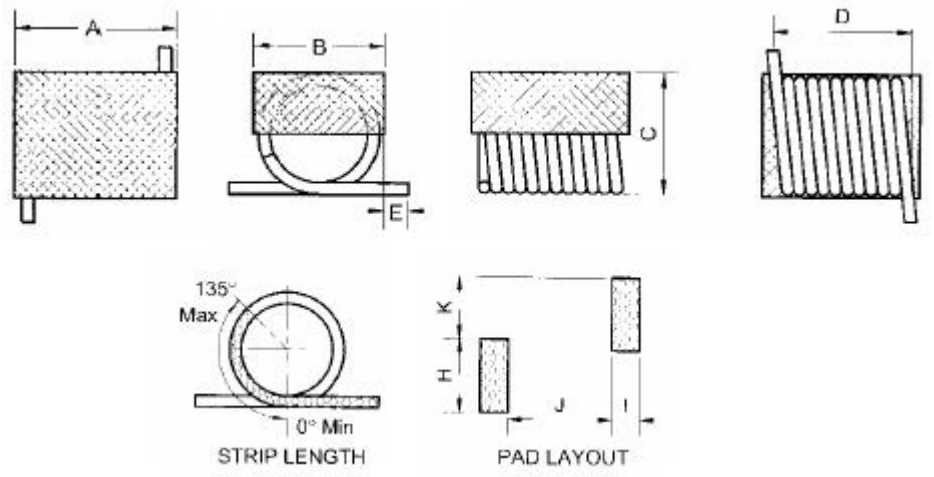
- Microwave
- TVs and Audios
- Band pass equipment
- Satellite communication systems

ORDERING CODE

AC 0403 - 2N5 □

- Tolerance (J:±5%, K:±10%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES



SMD SPRING AIR COILS / AC TYPE

DIMENSIONS (UNIT: mm)

Part No.	A (Ref.)	B (Ref.)	C (Ref.)	D	E	H (Ref.)	I (Ref.)	J (Ref.)	K (Ref.)
AC 0403	3.68	3.05	3.18	2.92±0.25	0.58±0.38	3.30	1.27	1.65	2.79
AC 0504	4.95	3.81	4.20	4.32±0.39	1.53±0.39	5.16	1.48	2.85	2.62
AC 0703	6.86	3.05	3.18	5.84±0.25	0.58±0.38	3.30	1.27	4.70	2.79
AC 1006	10.55	6.35	5.97	7.98±0.51	1.27±0.39	4.70	2.04	5.95	2.42

SPECIFICATIONS

Part No.	Inductance (nH)	Test Freq. (MHz)	DC Resistance (mΩ) Max	Rated Current (A) Max
AC 0403-2N5 □	2.5	150	1.1	4.0
AC 0403-5N0 □	5.0	150	1.8	4.0
AC 0403-8N0 □	8.0	150	2.6	4.0
AC 0403-12N5□	12.5	150	3.4	4.0
AC 0403-18N5□	18.5	150	3.9	4.0
AC 0504-22N □	22.0	150	4.2	3.0
AC 0504-27N □	27.0	150	4.0	3.5
AC 0504-33N □	33.0	150	4.8	3.0
AC 0504-39N □	39.0	150	4.4	3.0
AC 0504-47N □	47.0	150	5.6	3.0
AC 0504-56N □	56.0	150	6.2	3.0
AC 0504-68N □	68.0	150	8.2	2.5
AC 0504-82N □	82.0	150	9.4	2.5
AC 0504-R10 □	100.0	150	12.3	1.7
AC 0504-R12 □	120.0	150	17.3	1.5
AC 0703-17N5□	17.5	150	4.5	4.0
AC 0703-22N □	22.0	150	5.2	4.0
AC 0703-28N □	28.0	150	6.0	4.0
AC 0703-35N5□	35.5	150	6.8	4.0
AC 0703-43N □	43.0	150	7.9	4.0
AC 1006-90N □	90.0	50	15.0	3.5
AC 1006-R169□	169.0	50	25.0	3.0
AC 1006-R206□	206.0	50	30.0	3.0
AC 1006-R222□	222.0	50	35.0	3.0
AC 1006-R246□	246.0	50	35.0	3.0
AC 1006-R307□	307.0	50	35.0	3.0
AC 1006-R380□	380.0	50	50.0	2.5
AC 1006-R422□	422.0	50	60.0	2.5
AC 1006-R491□	491.0	50	65.0	2.0
AC 1006-R538□	538.0	50	90.0	2.0

WOUND TOROIDS COILS / TC TYPE

APPLICATIONS

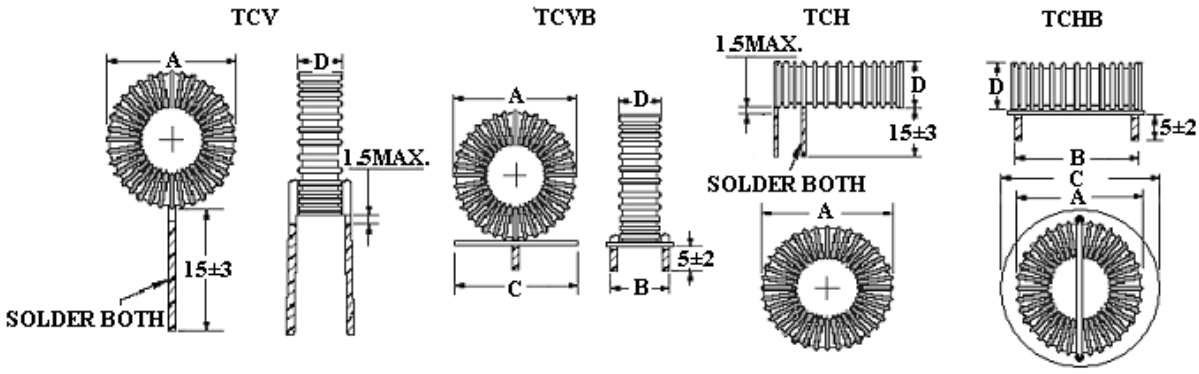
- Other filters
- Power supplies
- Out put chokes
- EMI/RFI chokes
- Switching Circuits
- SCR and Triac Controls

ORDERING CODE

TCV/H □ 101 M - 2A - 5026

- Core Size
- Current in Amps
- Tolerance (M:±20%)
- Inductance
- B:BASE
- Product Symbol (V: Vertical , H: Horizontal)

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Max)
TCV	7.5 ~ 42.5			5.5 ~ 21.5
TCVB	12.0 ~ 39.0	10 ~ 20	11 ~ 30	7.0 ~ 18.5
TCH	7.5 ~ 42.5			5.5 ~ 21.5
TCHB	12.0 ~ 39.0	9 ~ 36	13 ~ 42	7.0 ~ 18.5

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

CORE MASTER ENTERPRISE CO., LTD.
http://www.coremaster.com.tw

CLIP FERRITE CORE FOR FLAT CABLE / FI TYPE

APPLICATIONS

- Cables between pc boards and data connectors, floppy disk and hard disk ribbon cables, printer cables, retrofit, auxiliary EMI attenuation, internal ribbon cables with series digital signal busses

MATERIAL

B8 B10 B15

ORDERING CODE

FI 63.5 x 28.5 x 12.7 N1 B8

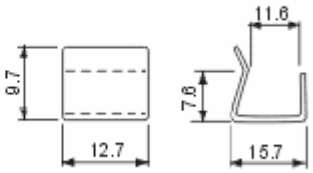
- B8 — Material
- N1 — CLIP
- 12.7 — B
- 28.5 — D
- 63.5 — A
- FI — Product Symbol

CHIP：N1- Nylon Clamp
N2- Nylon Clamp
N3- Nylon Clamp
M / M1- Metal Clamp
M2- Wire Clamp

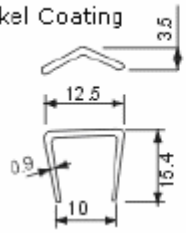
CLIP MATERIAL

N1,N2,N3: Nylon-66(UL)
Flame Class: 94V-2

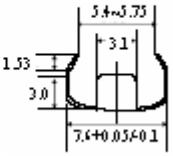
M1: Spring Steel
Nickel Coating



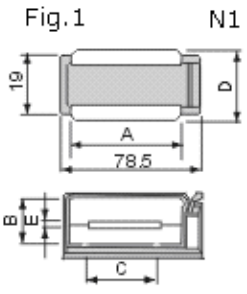
M2: Piano wire
Nickel Coating

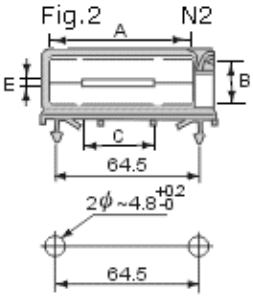


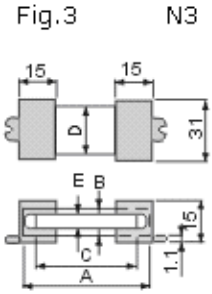
M: SK5 WITH HEAT TREATMENT

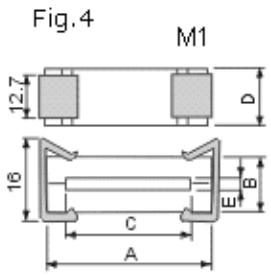


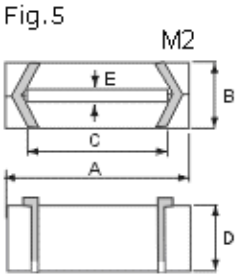
SHAPES

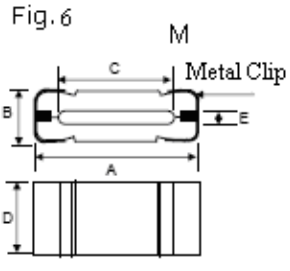












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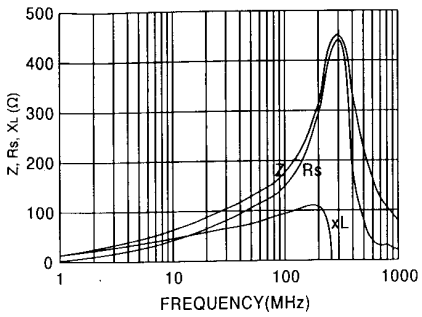
CLIP FERRITE CORE FOR FLAT CABLE / FI TYPE

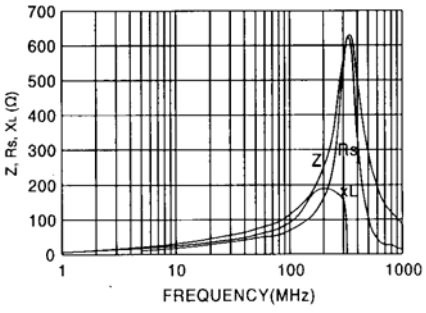
DIMENSIONS: UNIT: mm

Part No.	Fig.	A	B	C	D	E	Impedance(Ω)Min	
							25MHz	100MHz
FI 29x15x8 M	6	29.0±0.8	8.0±0.4	22.0±0.8	15.0±0.4	2.0+0.5/-0.3	30	80
FI 38x15x12.7 M2	5	38.0±1.0	12.7±0.5	26.6±0.7	15.0±0.4	1.6±0.4	40	115
FI 38x25.4x12.7 M1	4	38.0±1.0	12.7±0.5	26.6±0.7	25.4±0.7	1.6±0.4	75	140
FI 45x15x12.7 M2	5	45.0±1.0	12.7±0.5	34.4±0.7	15.0±0.4	1.6±0.4	40	90
FI 45x28.5x12.7 M1	4	45.0±1.0	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140
FI 45x28.5x12.7 N3	3	45.0±1.0	12.7±0.5	34.4±0.7	28.5±0.7	1.6±0.4	70	140
FI 55.1x15x12.7 M2	5	55.1±1.0	12.7±0.5	43.7±1.0	15.0±0.4	1.6±0.4	40	105
FI 55.1x28.5x12.7 M1	4	55.1±1.0	12.7±0.5	43.7±1.0	28.5±0.7	1.6±0.4	65	140
FI 55.1x28.5x12.7 N3	3	55.1±1.0	12.7±0.5	43.7±1.0	28.5±0.7	1.6±0.4	65	140
FI 63.5x15x12.7 M2	5	63.5±1.2	12.7±0.5	52.0±1.0	15.0±0.4	1.6±0.4	40	95
FI 63.5x28.5x12.7 M1	4	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 63.5x28.5x12.7 N1	1	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 63.5x28.5x12.7 N2	2	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 63.5x28.5x12.7 N3	3	63.5±1.2	12.7±0.5	52.0±1.0	28.5±0.7	1.6±0.4	60	150
FI 76.2x28.5x12.7 M1	1	76.2±1.5	12.7±0.5	65.2±1.2	28.5±0.7	1.6±0.4	60	190
FI 76.2x28.5x12.7 N3	3	76.2±1.5	12.7±0.5	65.2±1.2	28.5±0.7	1.6±0.4	60	190

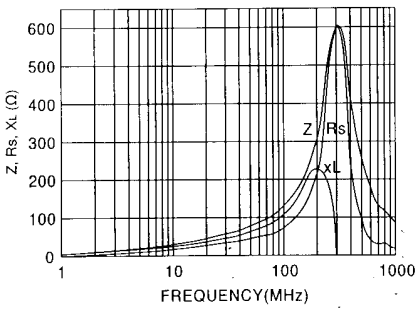
FI 38x25.4x12.7



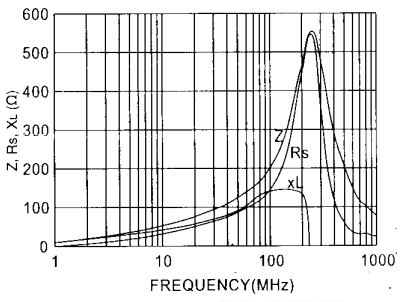
FI 45x15x12.7



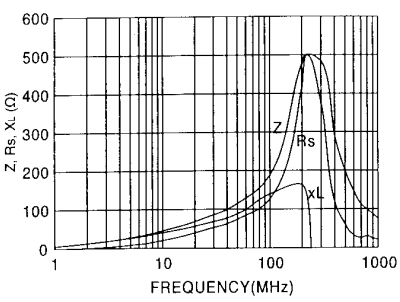
FI 55.1x15x12.7



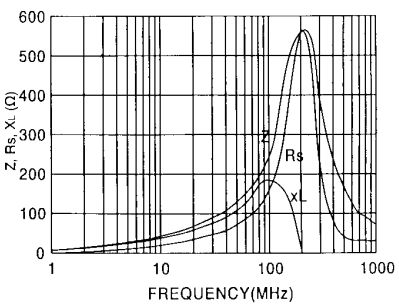
FI 55.1x15x12.7



FI 63.5x28.5x12.7



FI 76.2x28.5x12.7



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EMI BEADS (DIP) / RHWT TYPE

FEATURES

- Employ high performance ferrites with superior frequency characteristics.

APPLICATIONS

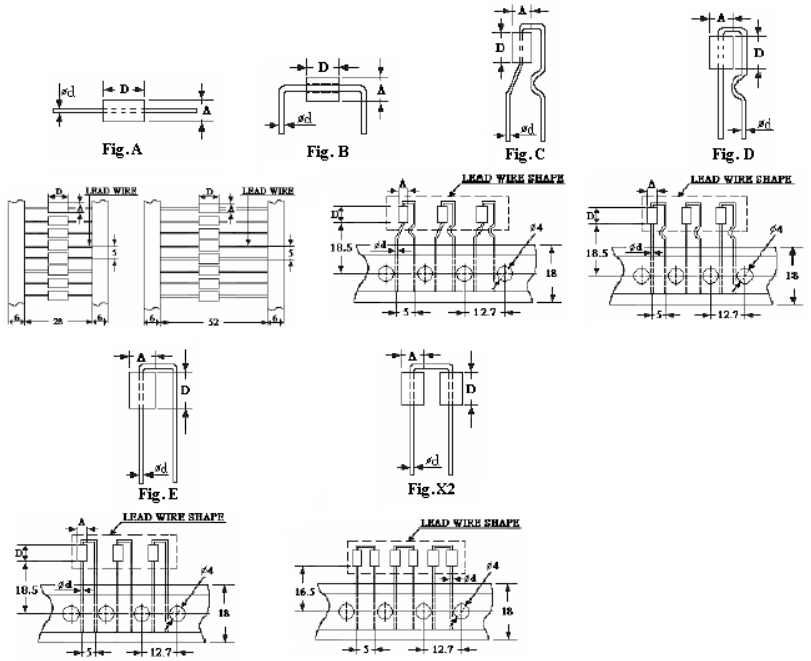
- Prevent spike noise
- Prevent intrusion and radiation of unnecessary signals into the clock pulse oscillation section and various interfaces, except those for RGB and composite signals.

ORDERING CODE

RHWT 035060 A

- A — Lead Wire Shape
- 035060 — Core Dimension
- RHWT — Product Symbol

LEAD WIRE SHAPE & TAPING SHAPE (UNIT: mm)



EMI BEADS (DIP) / RHWT TYPE

DIMENSIONS (UNIT: mm)

Part No.	Shape No.	A	D	Φd (±0.05)	Impedance (Ω) Min	
					25MHz	100MHz
RHWT 025030	A C D E	2.5 ±0.15	3.0 ±0.30	0.65	12	30
RHWT 025045		2.5 ±0.15	4.5 ±0.30	0.65	15	40
RHWT 035050		3.5 ±0.20	5.0 ±0.30	0.65	25	50
RHWT 035060		3.5 ±0.20	6.0 ±0.30	0.65	30	60
RHWT 035080		3.5 ±0.20	8.0 ±0.30	0.65	35	85
RHWT 035090		3.5 ±0.20	9.0 ±0.40	0.65	40	90
RHWT 035045	B	3.5 ±0.20	4.5 ±0.20	0.65	25	50
RHWT 035060		3.5 ±0.20	6.0 ±0.30	0.65	30	60
RHWT 035090		3.5 ±0.20	9.0 ±0.40	0.65	40	90
RHWT 035045	X2	3.5 ±0.20	4.5 ±0.30	0.65	45	80
RHWT 035060		3.5 ±0.20	6.0 ±0.30	0.65	50	100

FLAT CABLE EMI CORES / FP TYPE

APPLICATIONS

- Internal floppy disk and harddisk ribbon cables
- Internal ribbon cables between circuit boards and date connectors
- Internal ribbon cables with series digital signal busses

MATERIAL

B8 B10 B15

ORDERING CODE

FP - 40 x 12 x 6.5 B8

- B8 — Material
- 6.5 — C
- 12 — B
- 40 — A
- FP — Product Symbol

SHAPES

Fig.1

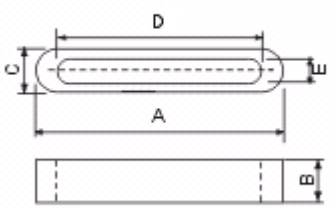


Fig.2

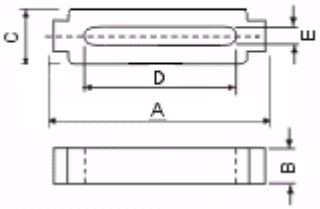
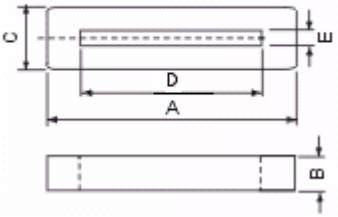


Fig.3



FLAT CABLE EMI CORES / FP TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	Dimension				
		A	B	C	D	E
FP 19.0x6.0x6.5	1	19.0 ± 0.8	6.0 ± 0.3	6.5 ± 0.3	13.5 ± 0.6	1.5± 0.3
FP 19.0x8.0x6.5	1	19.0 ± 0.8	8.0 ± 0.4	6.5 ± 0.3	13.5 ± 0.6	1.5± 0.3
FP 19.0x12.0x6.5	1	19.0 ± 0.8	12.0 ± 0.4	6.5 ± 0.3	13.5 ± 0.6	1.5 ± 0.3
FP 23.3x7.00x3.0	1	23.3 ± 0.8	7.0 ± 0.3	3.0 ± 0.3	20.0 ± 0.8	0.9 ± 0.2
FP 23.8x12.0x6.3	1	23.8 ± 0.8	12.0 ± 0.4	6.3± 0.3	18.0± 0.8	1.1± 0.3
FP 23.8x15.0x6.3	1	23.8 ± 0.8	15.0 ± 0.5	6.3 ± 0.3	18.8± 0.8	1.1 ± 0.3
FP 23.8x18.5x6.3	1	23.8 ± 0.8	18.5 ± 0.5	6.3 ± 0.3	18.8 ± 0.8	1.1 ± 0.3
FP 28.0x6.5x7.7	2	28.0 ± 0.8	6.5 ± 0.3	7.7 ± 0.5	23.0 ± 0.5	1.5 ± 0.3
FP 29.0x10.0x8.0	1	29.0 ± 0.8	10.0 ± 0.4	8.0 ± 0.4	22.0 ± 0.5	2.0± 0.3
FP 31.5x5.0x3.5	1	31.5 ± 0.8	5.0 ± 0.3	3.5 ± 0.3	28.0 ± 0.8	0.8 ± 0.2
FP 31.5x12.0x3.5	1	31.5 ± 0.8	12.0 ± 0.4	3.5 ± 0.3	28.0 ± 0.8	0.8 ± 0.2
FP 33.0x11.5x7.5	1	33.0 ± 0.8	11.5 ± 0.4	7.5 ± 0.4	28.0 ± 0.8	2.8 ± 0.3
FP 33.5x10.0x6.5	1	33.5 ± 0.8	10.0 ± 0.4	6.5 ± 0.3	29.0 ± 0.8	1.5 ± 0.3
FP 33.5x12.0x6.5	1	33.5 ± 0.8	12.0 ± 0.4	6.5 ± 0.3	29.0 ± 0.8	1.5 ± 0.3
FP 39.0x12.0x4.0	3	39.0 ± 1.0	12.0 ± 0.4	4.0 ± 0.3	35.0 ± 1.0	0.8 ± 0.2
FP 40.0x12.0x6.5	1	40.0 ± 1.0	12.0 ± 0.4	6.5 ± 0.3	34.8 ± 1.0	1.3 ± 0.3
FP 45.2x12.0x6.5	1	45.2 ± 1.0	12.0 ± 0.4	6.5 ± 0.3	40.0 ± 1.0	1.3 ± 0.3
FP 49.6x12.0x6.5	1	49.6 ± 1.2	12.0 ± 0.4	6.5 ± 0.4	44.0 ± 1.0	1.3 ± 0.3
FP 57.6x12.0x6.5	1	57.6 ± 1.2	12.0 ± 0.4	6.5 ± 0.4	52.0 ± 1.0	1.3 ± 0.3
FP 63.5x12.0x12.7	3	63.5 ± 1.2	12.0 ± 0.4	12.7 ± 0.4	52.0 ± 1.0	1.68 ± 0.4
FP 63.5x20.0x12.7	3	63.5 ± 1.2	20.0 ± 0.5	12.7 ± 0.4	52.0 ± 1.0	1.68 ± 0.4

MULTILINE BEADS MOUNT FILTERS / S6H、S8H TYPE

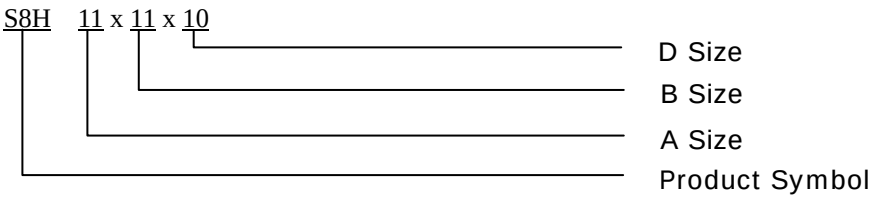
FEATURES

Multiple single printed circuit beads or multi-turn printed circuit beads are available in various materials. Cores are supplied with tinned copper jumper wires, which complete the desired winding configuration on the printed circuit board.

APPLICATIONS

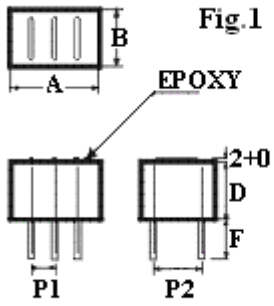
Filtering DC power to external peripherals. Filtering low frequency in put/out put signals of shielded enclosures. Data Bus filters. Application where low DCR is needed.

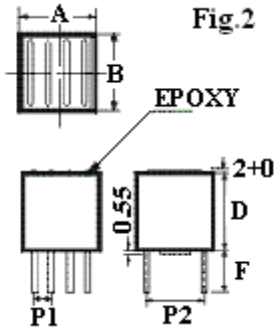
ORDERING CODE

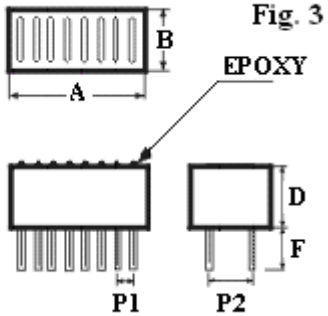


DIMENSIONS & CHARACTERISTICS (UNIT: mm)

Part No.	Fig.	UNIT:mm						Impedance (Ω) Min	
		A	B	D	F	P1	P2	25MHz	100MHz
S6H 7.6x5x10	1	7.60±0.25	5.00±0.25	10.00±0.30	5.30±0.3	2.54±0.2	2.54±0.2	150	226
S8H 11x11x10	2	10.80±0.30	10.8±0.3	10.15±0.25	3.2+0.4/-0	2.54±0.2	7.62±0.2	190	300
S8H 11x5.5x10	2	10.88±0.30	5.49±0.25	10.00±0.30	3.19±0.3	2.54±0.2	2.54±0.2	160	200
S16H 20x5x3	3	20.00±0.30	5.00±0.30	3.00±0.20	2.54±0.2	2.54±0.2	3.00±1.0	40	64
S16H 20x5x4	3	20.00±0.30	5.00±0.30	4.00±0.20	2.54±0.2	2.54±0.2	4.00±1.0	45	80







NI-ZN EMI BEAD CORES / RH TYPE

FEATURES

- Easy installation
- Compact and high performance

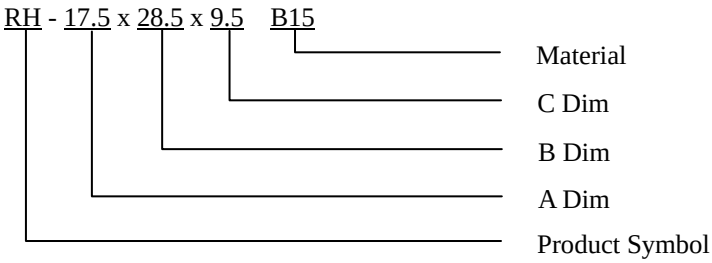
APPLICATIONS

- Countermeasures against radiated emissions
- For full compliance with FCC regulations and VCCI
- Improvement of noise immunity of personal computers, microcomputers, peripheral and relative devices

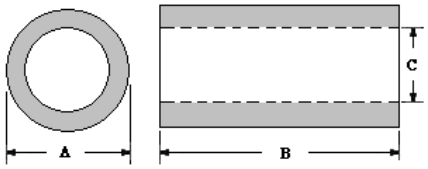
MATERIAL

B8 B10 B15 B18

ORDERING CODE



SHAPES



DIMENSIONS (Unit: mm)

Cores	A	B	C
RH-2.3 x 4.5 x 0.8	2.30 ± 0.15	4.50 ± 0.30	0.80 ± 0.15
RH-3 x 3 x 0.8	3.00 ± 0.15	3.00 ± 0.20	0.80 ± 0.15
RH-3 x 4 x 1	3.00 ± 0.15	4.00 ± 0.30	1.00 ± 0.15
RH-3.5 x 8.9 x 0.8	3.50 ± 0.15	8.90 ± 0.30	0.80 ± 0.15
RH-3.5 x 12 x 1.2	3.50 ± 0.15	12.00 ± 0.40	1.20 ± 0.15
RH-3.5 x 10 x 1.5	3.50 ± 0.15	10.00 ± 0.40	1.50 ± 0.15
RH-3.5 x 13.8 x 0.8	3.50 ± 0.15	13.80 ± 0.40	0.80 ± 0.15
RH-3.8 x 8 x 1.8	3.80 ± 0.15	8.00 ± 0.40	1.80 ± 0.15
RH-4 x 5 x 2	4.00 ± 0.20	5.00 ± 0.30	2.00 ± 0.15
RH-4 x 20 x 2	4.00 ± 0.20	20.00 ± 0.50	2.00 ± 0.15
RH-4.1 x 10 x 1.6	4.10 ± 0.20	10.00 ± 0.40	1.60 ± 0.15
RH-5 x 10 x 1.5	5.00 ± 0.30	10.00 ± 0.40	1.50 ± 0.15
RH-6 x 25 x 2	6.00 ± 0.30	25.00 ± 0.70	2.00 ± 0.20
RH-6 x 10 x 3	6.00 ± 0.30	10.00 ± 0.40	3.00 ± 0.20
RH-6.5 x 10 x 4.3	6.50 ± 0.30	10.00 ± 0.40	4.30 ± 0.20
RH-7 x 20 x 4	7.00 ± 0.30	20.00 ± 0.50	4.00 ± 0.25
RH-7.5 x 19 x 2.8	7.50 ± 0.30	19.00 ± 0.50	2.80 ± 0.20
RH-7.75 x 19 x 4	7.75 ± 0.30	19.00 ± 0.50	4.00 ± 0.25
RH-8 x 18 x 3	8.00 ± 0.30	18.00 ± 0.50	3.00 ± 0.20
RH-8 x 9.2 x 4	8.00 ± 0.30	9.20 ± 0.30	4.00 ± 0.25
RH-8 x 20 x 5.6	8.00 ± 0.30	20.00 ± 0.60	5.60 ± 0.25
RH-9 x 16 x 5	9.00 ± 0.30	16.00 ± 0.50	5.00 ± 0.25
RH-9.5 x 18.2 x 2.8	9.50 ± 0.30	18.20 ± 0.50	2.80 ± 0.20
RH-9.5 x 10 x 5	9.50 ± 0.30	10.00 ± 0.40	5.00 ± 0.25
RH-9.8 x 20.95 x 3.8	9.80 ± 0.30	20.95 ± 0.60	3.80 ± 0.20

NI-ZN EMI BEAD CORES / RH TYPE

DIMENSIONS (Unit: mm)

Cores	A	B	C
RH-9.8 x 14 x 5.6	9.80 ± 0.30	14.00 ± 0.50	5.60 ± 0.25
RH-9.8 x 25 x 7	9.80 ± 0.30	25.00 ± 0.70	7.00 ± 0.30
RH-10 x 10 x 5	10.00 ± 0.40	10.00 ± 0.40	5.00 ± 0.25
RH-10.5 x 20 x 5.6	10.50 ± 0.40	20.00 ± 0.60	5.60 ± 0.25
RH-10.5 x 20 x 6	10.50 ± 0.40	20.00 ± 0.60	6.00 ± 0.30
RH-11.5 x 18 x 5.2	11.50 ± 0.40	18.00 ± 0.50	5.20 ± 0.25
RH-11.5 x 25 x 7.1	11.50 ± 0.40	25.00 ± 0.70	7.10 ± 0.30
RH-12 x 25 x 4	12.00 ± 0.40	25.00 ± 0.70	4.00 ± 0.25
RH-12 x 25.6 x 5.2	12.00 ± 0.40	25.60 ± 0.70	5.20 ± 0.25
RH-12 x 20 x 6.35	12.00 ± 0.40	20.00 ± 0.60	6.35 ± 0.30
RH-12 x 25 x 7.1	12.00 ± 0.40	25.00 ± 0.70	7.10 ± 0.30
RH-12 x 28 x 7.3	12.00 ± 0.40	28.00 ± 0.70	7.30 ± 0.30
RH-12.5 x 20 x 4.9	12.50 ± 0.40	20.00 ± 0.60	4.90 ± 0.30
RH-12.7 x 15 x 7.88	12.70 ± 0.40	15.00 ± 0.50	7.88 ± 0.30
RH-13 x 15.2 x 5.5	13.00 ± 0.40	15.20 ± 0.50	5.50 ± 0.25
RH-13 x 26 x 5.6	13.00 ± 0.40	26.00 ± 0.70	5.60 ± 0.30
RH-13 x 25.4 x 9.4	13.00 ± 0.40	25.40 ± 0.70	9.40 ± 0.30
RH-14 x 28.5 x 5.2	14.00 ± 0.50	28.50 ± 0.70	5.20 ± 0.25
RH-14.27 x 23.5 x 6.35	14.27 ± 0.50	23.50 ± 0.60	6.35 ± 0.30
RH-14.27x 28.5 x 6.35	14.27 ± 0.50	28.50 ± 0.70	6.35 ± 0.30
RH-14.27 x 15 x 7	14.27 ± 0.50	15.00 ± 0.50	7.00 ± 0.30
RH-14.27 x 28 x 7	14.27 ± 0.50	28.00 ± 0.70	7.00 ± 0.30
RH-14.27 x 23.5 x 7.88	14.27 ± 0.50	23.50 ± 0.60	7.88 ± 0.30
RH-14.27 x 23.5 x 8.3	14.27 ± 0.50	23.50 ± 0.60	8.30 ± 0.30
RH-14.27 x 28.5 x 9.15	14.27 ± 0.50	28.50 ± 0.70	9.15 ± 0.30
RH-15 x 28.5 x 7.3	15.00 ± 0.50	28.50 ± 0.70	7.30 ± 0.30
RH-15.25 x 28.5 x 8	15.25 ± 0.50	28.50 ± 0.70	8.00 ± 0.30
RH-15.8 x 28.5 x 7.88	15.80 ± 0.50	28.50 ± 0.70	7.88 ± 0.30
RH-16 x 17 x 4.5	16.00 ± 0.50	17.00 ± 0.50	4.50 ± 0.25
RH-16 x 16 x 7.88	16.00 ± 0.50	16.00 ± 0.50	7.88 ± 0.30
RH-16 x 17 x 9.15	16.00 ± 0.50	17.00 ± 0.50	9.15 ± 0.30
RH-16 x 30 x 9.15	16.00 ± 0.50	30.00 ± 1.00	9.15 ± 0.30
RH-16 x 28.5 x 9.5	16.00 ± 0.50	28.50 ± 1.00	9.50 ± 0.30
RH-16 x 28 x 11	16.00 ± 0.50	28.00 ± 0.70	11.00 ± 0.40
RH-17 x 25 x 4	17.00 ± 0.50	25.00 ± 0.70	4.00 ± 0.30
RH-17.2 x 25 x 7	17.20 ± 0.50	25.00 ± 0.70	7.00 ± 0.30
RH-17.5 x 27 x 8	17.50 ± 0.50	27.00 ± 0.70	8.00 ± 0.30
RH-17.5 x 28.5 x 8	17.50 ± 0.50	28.50 ± 0.70	8.00 ± 0.30
RH-17.5 x 28.5 x 9.5	17.50 ± 0.50	28.50 ± 0.70	9.50 ± 0.30
RH-17.5 x 35 x 9.5	17.50 ± 0.50	35.00 ± 1.00	9.50 ± 0.30
RH-17.5 x 28.5 x 10.6	17.50 ± 0.50	28.50 ± 0.70	10.60 ± 0.40
RH-17.5 x 28.5 x 11	17.50 ± 0.50	28.50 ± 0.70	11.00 ± 0.40
RH-18.2 x 28.5 x 9.5	18.20 ± 0.50	28.50 ± 0.70	9.50 ± 0.30
RH-18.4 x 28.5 x 10.2	18.40 ± 0.50	28.50 ± 0.70	10.20 ± 0.40
RH-18.4 x 50.8 x 11	18.40 ± 0.50	50.80 ± 1.00	11.00 ± 0.40
RH-18.4 x 28.5 x 12.5	18.40 ± 0.50	28.50 ± 0.70	12.50 ± 0.40
RH-19.7 x 28.5 x 11.7	19.70 ± 0.50	28.50 ± 0.70	11.70 ± 0.40
RH-25.9 x 28 x 10.2	25.90 ± 0.60	28.00 ± 0.70	10.20 ± 0.40
RH-26 x 28.5 x 12.8	26.00 ± 0.60	28.50 ± 0.70	12.80 ± 0.50
RH-26 x 28.5 x 16	26.00 ± 0.60	28.50 ± 0.70	16.00 ± 0.50
RH-28 x 28.5 x 16	28.00 ± 0.70	28.50 ± 0.70	16.00 ± 0.50

CORE MASTER

CORE MASTER ENTERPRISE CO., LTD.

http://www.coremaster.com.tw

NI-ZN TOROID CORES / T TYPE

FEATURES

- Minimal effect on transmission waveforms
- Can be added as First-Aid, On-The Spot countermeasures when equipment or devices fail

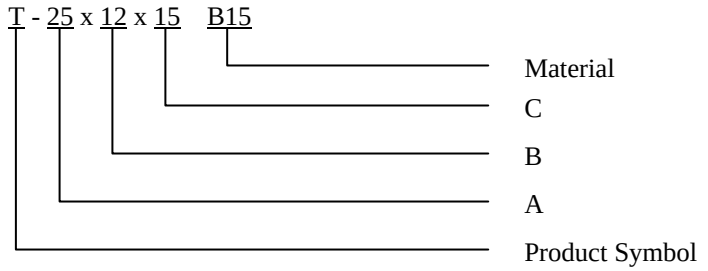
APPLICATIONS

- Equipment using sensors
- TVs, FM/AM Tuners, VTRs/VCRs
- Harness noise countermeasures for automobiles Computers, NC machines, and Plain paper copiers
- Measuring equipment, OA equipment, terminal equipment and ISDN terminal equipment

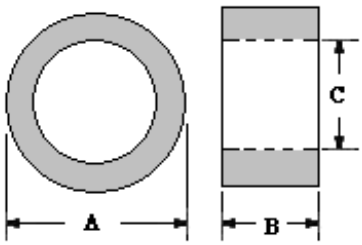
MATERIAL

B8 B10 B12 B15

ORDERING CODE



SHAPES



DIMENSIONS (Unit: mm)

Cores	A	B	C
T-2.5 x 1.2 x 1	2.50 ± 0.15	1.20 ± 0.20	1.00 ± 0.15
T-3.3 x 2 x 2.58	3.30 ± 0.15	2.00 ± 0.25	2.58 ± 0.15
T-3.5 x 2 x 0.85	3.50 ± 0.15	2.00 ± 0.20	0.85 ± 0.15
T-3.5 x 3.1 x 1.2	3.50 ± 0.15	3.10 ± 0.30	1.20 ± 0.15
T-4 x 1 x 2	4.00 ± 0.20	1.00 ± 0.20	2.00 ± 0.20
T-4.5 x 2 x 1.5	4.50 ± 0.20	2.00 ± 0.20	1.50 ± 0.15
T-4.8 x 3 x 2.8	4.80 ± 0.20	3.00 ± 0.30	2.80 ± 0.20
T-6 x 4 x 3	6.00 ± 0.30	4.00 ± 0.30	3.00 ± 0.20
T-6 x 5 x 2	6.00 ± 0.30	5.00 ± 0.30	2.00 ± 0.20
T-6.5 x 5 x 3.3	6.50 ± 0.30	5.00 ± 0.30	3.30 ± 0.20
T-7.75 x 3 x 4	7.75 ± 0.30	3.00 ± 0.30	4.00 ± 0.20
T-8 x 3 x 4	8.00 ± 0.30	3.00 ± 0.30	4.00 ± 0.20
T-8 x 7 x 5.6	8.00 ± 0.30	7.00 ± 0.30	5.60 ± 0.20
T-9 x 3 x 5	9.00 ± 0.30	3.00 ± 0.30	5.00 ± 0.30
T-9.5 x 3.5 x 4.8	9.50 ± 0.30	3.50 ± 0.30	4.80 ± 0.20
T-9.66 x 3.7 x 4.9	9.66 ± 0.30	3.70 ± 0.30	4.90 ± 0.30
T-9.66 x 7.35 x 6.35	9.66 ± 0.30	7.35 ± 0.30	6.35 ± 0.30
T-9.8 x 7.35 x 6.35	9.80 ± 0.30	7.35 ± 0.30	6.35 ± 0.30

NI-ZN TOROID CORES / T TYPE

Cores	A	B	C
T-10 x 6 x 4	10.00 ± 0.30	6.00 ± 0.30	4.00 ± 0.20
T-10 x 4 x 6	10.00 ± 0.30	4.00 ± 0.30	6.00 ± 0.30
T-10 x 10 x 5	10.00 ± 0.30	10.0 ± 0.40	5.00 ± 0.30
T-10.3 x 10.2 x 5.8	10.30 ± 0.30	10.2 ± 0.40	5.80 ± 0.30
T-12 x 6 x 4	12.00 ± 0.40	6.00 ± 0.30	4.00 ± 0.20
T-12 x 4 x 6	12.00 ± 0.40	4.00 ± 0.30	6.00 ± 0.30
T-12 x 10 x 6.5	12.00 ± 0.40	10.0 ± 0.40	6.50 ± 0.30
T-12 x 11 x 8.6	12.00 ± 0.40	11.0 ± 0.40	8.60 ± 0.30
T-12.7 x 6.35 x 7.9	12.70 ± 0.40	6.35 ± 0.40	7.90 ± 0.30
T-12.7 x 12.5 x 7.88	12.70 ± 0.40	12.5 ± 0.40	7.88 ± 0.30
T-13 x 8 x 8.2	13.00 ± 0.40	8.00 ± 0.30	8.20 ± 0.30
T-13.5 x 5 x 7	13.50 ± 0.40	5.00 ± 0.30	7.00 ± 0.30
T-14.2 x 5 x 6.35	14.20 ± 0.50	5.00 ± 0.30	6.35 ± 0.30
T-14.2 x 5 x 9.15	14.20 ± 0.50	5.00 ± 0.30	9.15 ± 0.30
T-14.2 x 10 x 7.45	14.20 ± 0.50	10.0 ± 0.40	7.45 ± 0.30
T-14.2 x 5 x 8.3	14.27 ± 0.50	5.00 ± 0.30	8.30 ± 0.30
T-14.2 x 13.5 x 6.35	14.27 ± 0.50	13.5 ± 0.40	6.35 ± 0.30
T-15.2 x 12.7 x 10.2	15.20 ± 0.50	12.7 ± 0.40	10.2 ± 0.30
T-16 x 12 x 8	16.00 ± 0.50	12.0 ± 0.40	8.00 ± 0.30
T-16 x 12 x 9.15	16.00 ± 0.50	12.0 ± 0.40	9.15 ± 0.30
T-16 x 10 x 8	16.00 ± 0.50	10.0 ± 0.40	8.00 ± 0.30
T-16 x 16 x 7.88	16.00 ± 0.50	16.0 ± 0.50	7.88 ± 0.30
T-17.5 x 6.8 x 10.6	17.50 ± 0.50	6.80 ± 0.30	10.6 ± 0.30
T-17.5 x 12.7 x 10.2	17.50 ± 0.50	12.7 ± 0.40	10.2 ± 0.30
T-18.4 x 9.5 x 12.5	18.40 ± 0.50	9.50 ± 0.30	12.5 ± 0.40
T-20 x 4 x 5.2	20.00 ± 0.50	4.00 ± 0.30	5.20 ± 0.30
T-20 x 10 x 10.2	20.00 ± 0.50	10.0 ± 0.40	10.2 ± 0.30
T-20 x 14.2 x 5.2	20.00 ± 0.50	14.2 ± 0.40	5.20 ± 0.30
T-21.2 x 6 x 12.7	21.20 ± 0.50	6.00 ± 0.30	12.7 ± 0.40
T-22.5 x 6 x 13.8	22.50 ± 0.50	6.00 ± 0.30	13.8 ± 0.50
T-23 x 6.4 x 12.5	23.00 ± 0.50	6.40 ± 0.30	12.5 ± 0.40
T-23 x 9.5 x 12.5	23.00 ± 0.50	9.50 ± 0.30	12.5 ± 0.40
T-23 x 11 x 14	23.00 ± 0.50	11.0 ± 0.40	14.0 ± 0.50
T-24 x 14 x 11	24.00 ± 0.60	14.0 ± 0.40	11.0 ± 0.40
T-25 x 10 x 15	25.00 ± 0.60	10.0 ± 0.40	15.0 ± 0.50
T-25.9 x 14.09 x 17	25.90 ± 0.60	14.09 ± 0.40	17.0 ± 0.50
T-25.9 x 12.7 x 16	25.90 ± 0.60	12.7 ± 0.40	16.0 ± 0.50
T-28 x 3.75 x 5.2	28.00 ± 0.70	3.75 ± 0.30	5.20 ± 0.30
T-28 x 13.4 x 16	28.00 ± 0.70	13.40 ± 0.40	16.0 ± 0.50
T-28 x 19 x 16	28.00 ± 0.70	19.0 ± 0.50	16.0 ± 0.50
T-29 x 14 x 19	29.00 ± 0.70	14.0 ± 0.30	19.0 ± 0.50
T-31 x 7 x 19	31.00 ± 0.70	7.00 ± 0.30	19.0 ± 0.50
T-31 x 16 x 19	31.00 ± 0.70	16.0 ± 0.50	19.0 ± 0.50
T-36 x 12 x 23	36.00 ± 0.80	12.0 ± 0.40	23.0 ± 0.60
T-36 x 22 x 19	36.00 ± 0.80	22.0 ± 0.60	19.0 ± 0.50
T-37.5 x 5.5 x 9.1	37.50 ± 0.80	5.50 ± 0.30	9.10 ± 0.30
T-40 x 15 x 23.4	40.00 ± 0.80	15.0 ± 0.50	23.4 ± 0.60
T-47.5 x 15 x 29.5	47.50 ± 1.00	15.0 ± 0.50	29.5 ± 0.80

ROUND CABLE EMI CORES / LF TYPE

FEATURES

- Easy installation
- Internal dimensions are from 4mm to 19 mm radius.
- The smooth surface prevents damage to wire insulation.

APPLICATIONS

- Internal and external power cables
- Internal cables between pc boards and data connectors
- Computer peripherals, for example digital camera, DVD, fax machine, monitor, printer, and power supply cables

ORDERING CODE

LF - 65 □

- □ — Case Color (Black, White, Gray)
- 65 — Core
- LF — Product Symbol

SHAPES

Fig.1

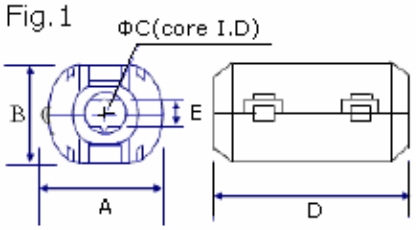


Fig.2

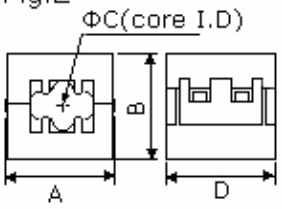


Fig.3

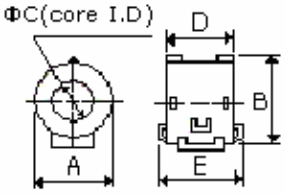


Fig.4

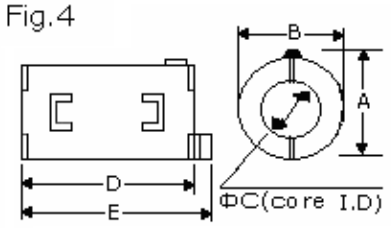


Fig.5

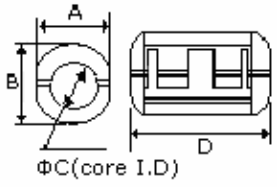


Fig.6

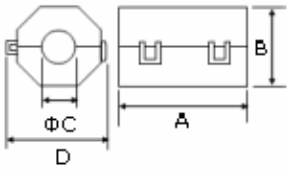
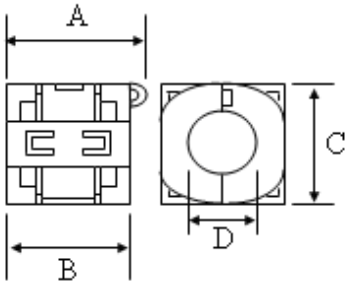


Fig.7



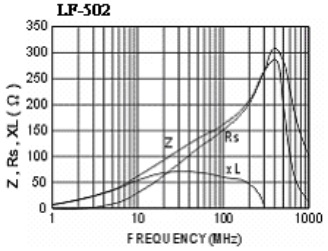
ROUND CABLE EMI CORES / LF TYPE

DIMENSIONS (UNIT:mm)

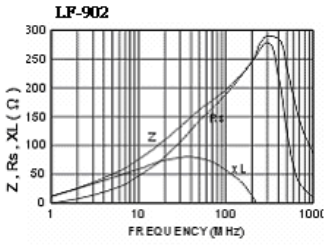
Part No.	Fig.	A (±1)	B (±1)	C (±1)	D (±1)	E (±1)	Impedance (Ω) Min		Use Cable Dia. Max
							25 MHz	100 MHz	
LF-35	5	15.0	15.0	4.0	25.2	---	55	95	Φ4
LF-50	5	16.5	16.5	5.2	29.5	---	70	120	Φ5
LF-501	2	15.0	14.0	5.2	23.0	---	70	120	Φ5
LF-502	1	13.0	11.8	5.0	25.5	---	60	100	Φ5
LF-503	1	17.0	15.0	5.2	30.0	---	130	210	Φ5
LF-60	6	18.5	14.0	6.0	15.5	---	60	80	Φ6
LF-65	2	20.5	20.0	6.5	33.0	---	120	200	Φ6.5
LF-70	4	15.5	14.0	7.0	18.0	22.0	40	75	Φ7
LF-702	1	17.0	15.0	7.0	30.0	---	70	130	Φ7
LF-75	5	21.0	21.0	7.5	39.0	---	90	150	Φ7.5
LF-801	3	19.5	23.0	8.1	17.0	23.0	42	85	Φ8
LF-802	3	19.5	23.0	8.1	20.0	26.0	50	110	Φ8
LF-90	7	21.0	17.0	20.0	9.0	---	45	90	Φ9
LF-901	4	20.5	19.5	9.0	31.5	35.5	80	130	Φ9
LF-902	1	19.5	18.0	9.0	35.0	---	80	130	Φ9
CT-0933	1	22.5	22.5	9.5	43.0	---	105	190	Φ9.5
CT-0933-2B	1	22.0	23.5	12.2	43.0	---	100	180	Φ12
LF-100	2	25.5± 1.0	23.5± 1.0	10.0± 0.5	33.0± 1.0	---	80	130	Φ10
LF-101	3	24.5± 1.0	28.5± 1.0	10.2± 0.5	13.5± 1.0	20.0± 1.0	35	75	Φ10
LF-102	1	21.5± 1.0	20.0± 1.0	10.0± 1.0	35.0± 1.0	---	144	240	Φ10
LF-103	4	20.5± 1.0	20.5± 1.0	10.0± 0.5	32.0± 1.0	36.0± 1.0	100	160	Φ10
LF-110	4	20.5± 1.0	21.0± 1.0	11.0± 0.5	32.0± 1.0	36.0± 1.0	60	110	Φ11
LF-1101	1	21.0± 1.0	20.0± 1.0	11.0± 0.5	36.0± 1.0	---	80	170	Φ11
LF-120	3	28.0± 1.0	32.0± 1.0	11.5± 0.5	18.0± 1.0	24.0± 1.0	50	100	Φ11.5
LF-130	2	32.5± 1.0	30.0± 1.0	13.0± 0.5	33.0± 1.0	---	105	170	Φ13
LF-1301	1	23.5± 1.0	22.5± 1.0	13.0± 0.5	36.0± 1.0	---	70	120	Φ13
LF-1302	4	31.5± 1.0	30.5± 1.0	13.0± 0.5	34.0± 1.0	39.5± 1.0	80	130	Φ13
LF-150	3	29.0± 1.0	33.0± 1.0	15.0± 0.5	15.5± 1.0	21.5± 1.0	30	70	Φ15
LF-190	2	29.5± 1.0	29.4± 1.0	19.4± 0.5	42.0± 1.0	---	90	160	Φ19

ROUND CABLE EMI CORES / LF TYPE

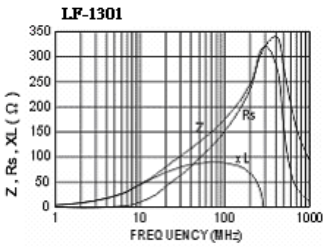
LF-502



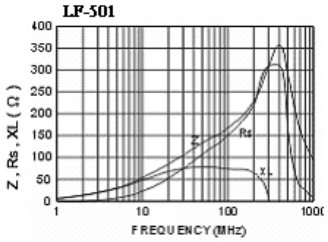
LF-902



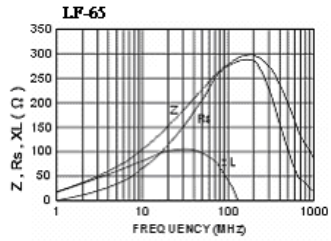
LF-1301



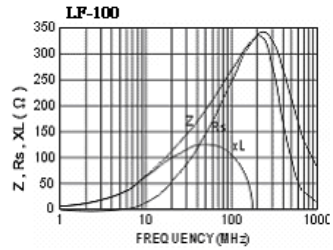
LF-501



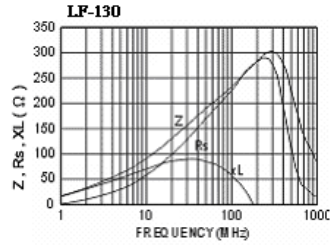
LF-65



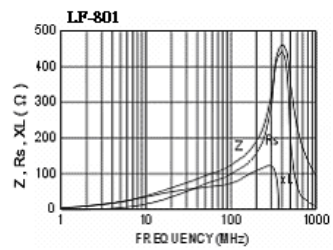
LF-100



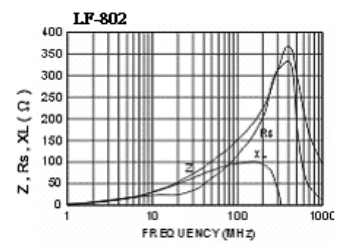
LF-130



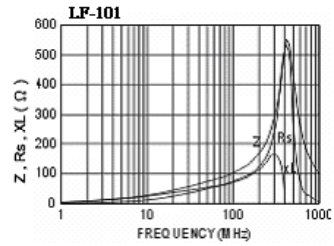
LF-801



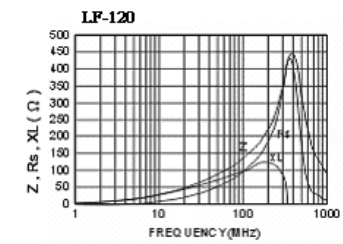
LF-802



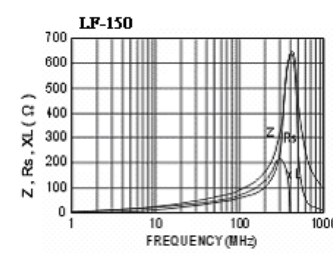
LF-101



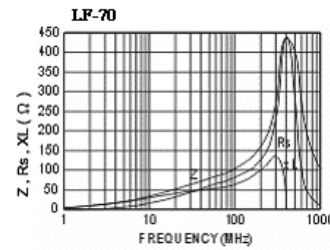
LF-120



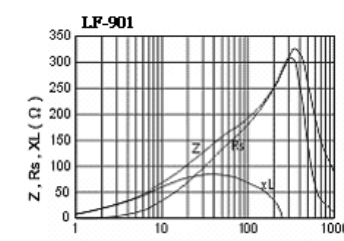
LF-150



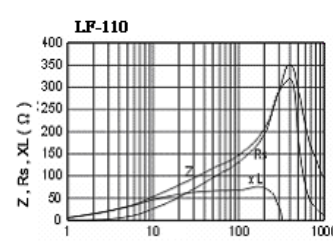
LF-70



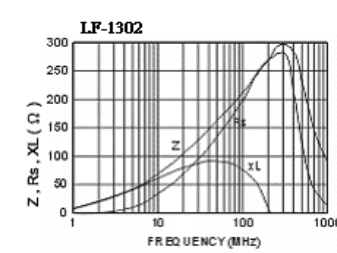
LF-901



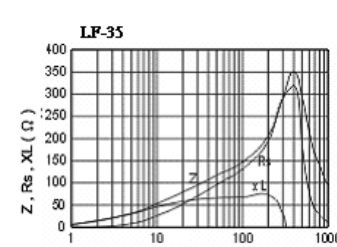
LF-110



LF-1302



LF-35



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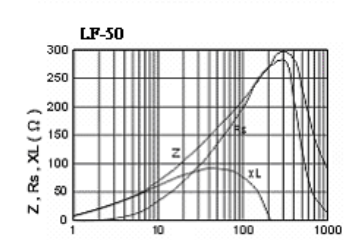

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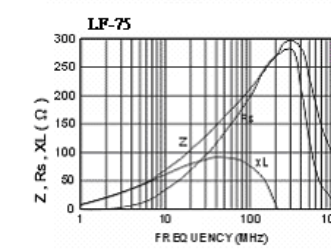

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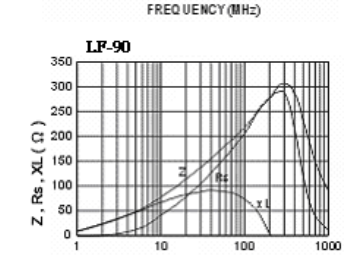


SMD EMI PC BEADS / MSH TYPE

APPLICATIONS

The wide band choke cores mainly used in the PC boards to filters the EMI from the outsides.

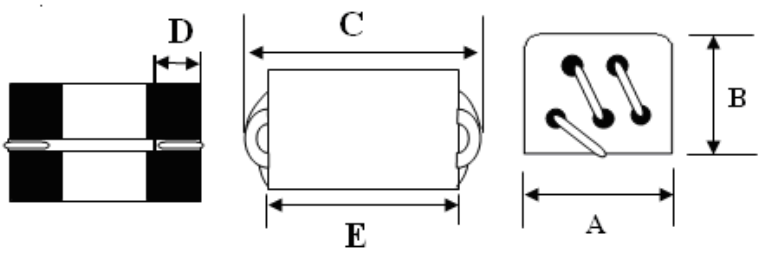
ORDERING CODE

MSH 0505

Core Dimension

Product Symbol

SHAPES



DIMENSIONS & CHARACTERITICS (UNIT: mm)

Part No.	Impedance (Ω) (MIN)		A (±0.3)	B (±0.3)	C (Max)	D(±0.5)	E
	25 MHz	100 MHz					
MSH0505-02	128	280	5.0	4.6	8.0	1.5	5.5 ± 0.3
MSH0510-02	300	600	5.0	4.6	11.0	2.0	8.4 ± 0.2

SURFACE MOUNT BEADS / FB TYPE

APPLICATIONS

Computer disk drive and PC Board to filter the EMI from Outside source, Car radio, Mobile phone and VCRS.

ORDERING CODE

FB 403025

- 403025 — Dimension
- FB — Product Symbol

SHAPES

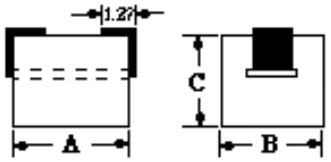


Fig1

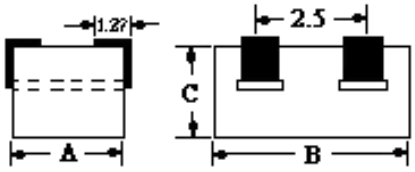
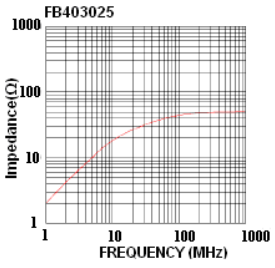
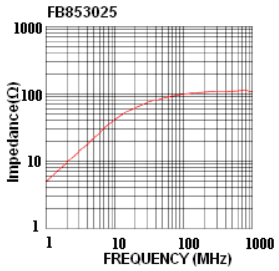


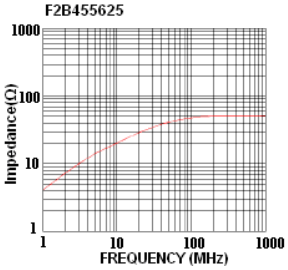
Fig2

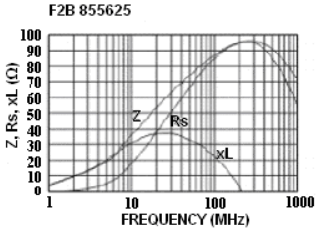
DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C	Impedance (Ω) Min	
					25MHz	100MHz
FB 403025	1	4.0 ± 0.20	3.0 ± 0.20	2.5 ± 0.20	25	35
FB 853025	1	8.5 ± 0.25	3.1 ± 0.15	2.5 ± 0.15	60	90
F2B 455625	2	4.5 ± 0.25	5.6 ± 0.20	2.5 ± 0.20	20	35
F2B 855625	2	8.5 ± 0.25	5.6 ± 0.20	2.5 ± 0.20	48	70









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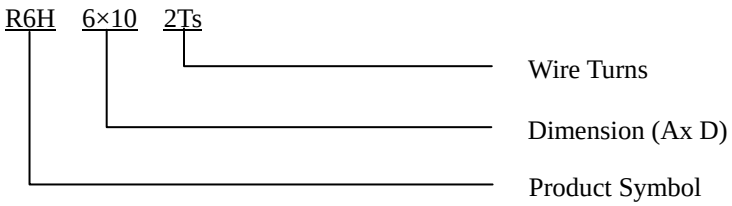
WIDE BAND CHOKE CORES / R6H TYPE

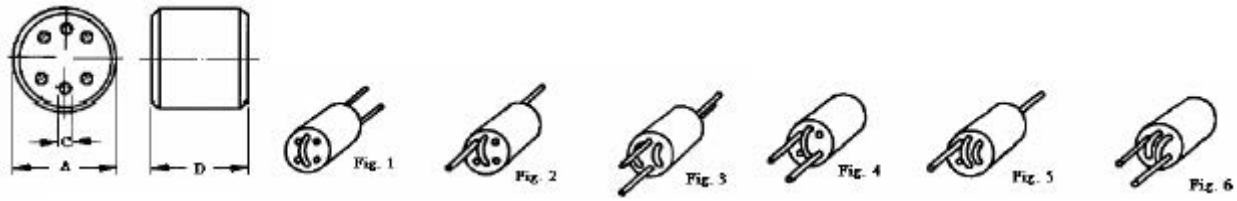
APPLICATIONS

- R6H and R10H Type Cores are used for Wide Band Choke. The impedance is substantially resistive and constant.
- Used in PC boards to filter the EMI from the outsides.
- For radio and TV, small motor ignition device, computer disk driver, communication equipment, and etc.

ORDERING CODE



SHAPES



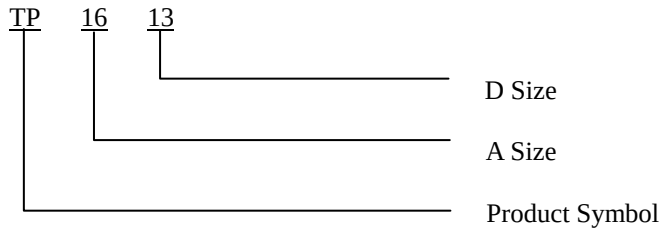
DIMENSIONS & CHARACTERITICS (UNIT: mm)

Part No.	Turns	Fig.	Impedance (Ω) (MIN)		A	C	D
			25 MHz	100 MHz			
R6H 6×10	1	1	140	320	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	1.5	2	250	480	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	2 x 1.5	3	300	480	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	2	4	300	600	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	2.5	5	350	640	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4
R6H 6×10	3	6	500	780	6.0 ± 0.25	0.80 ± 0.15	10.0 ± 0.4

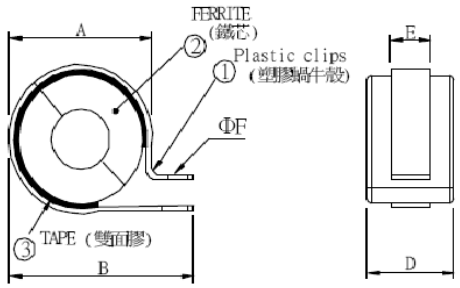
WIRE WOUND CHIP MOLDED INDUCTORS / TP TYPE

ORDERING CODE

EMI suppression generated from round cable used in digital equipment



SHAPES



DIMENSIONS & CHARACTERSTICS

Part No.	ΦA	B	ΦD	ΦF	Impedance			
					1 Turn		2 Turns	
					25MHz	100MHz	25MHz	100MHz
TP 16-13	19.4	30.2	13.0	4.3	45	110	160	370
TP 16-16	19.4	30.2	16.0	4.3	50	150	180	500
TP 20-10	25.7	38.2	10.0	5.1	45	80	140	280
TP 23-14	26.8	39.4	14.0	5.1	40	100	140	350
TP 28-13	32.8	45.0	13.0	5.1	45	105	160	325
TP 28-20	32.8	45.0	20.0	5.1	60	130	250	500
TP 40-15	44.6	59.0	15.0	5.1	40	100	140	350