



PRODUCT DATA APPROVAL SHEET

Core-CF139ETD4917

Cosmo Ferrites Ltd. -INDIA

Appearance & Shape: To be free from any defect such as flow, burrs, unevenness etc, as per IEC standards.

Effective Parameters irrespective of material grade (per set)

Parameter	Value	Unit
Effective Length (L_e):	114	mm
Effective Area (A_e):	211	mm ²
Effective Area (A_{min}):	209	mm ²
Effective Volume (V_e):	24000	mm ³
Approximate weight(m):	115	g/set



“Clamping force for AL measurement is 50 ± 20 N, unless otherwise stated”

ETD4917 Un-gapped (OL)

Test Conditions: 1kHz/1mT/CFR COIL, N=100/25°C

Material Grade	Initial Permeability($\mu_{i ac}$)	AL Value (nH)	μ_e Approx./Set	P_V (W/set) (25kHz,200mT, 100°C)	P_V (W/set) (100kHz,100mT, 100°C)	P_V (W/set) (100kHz,200mT, 100°C)	Ordering code
CF139	2100 \pm 20%	4100+30%/-20%	\approx 1762	\leq 2.64	\leq 2.4	\leq 12.0	CF139 ETD4917 OL

ETD4917 Gapped

Test Conditions: 1kHz/300mV/CFR COIL, N=100/25°C

Material Grade	Gap Value in mm/Pc	S, T		D		Ordering code
		AL(nH) Approx. /Set	μ_e Approx./Set	AL(nH) Approx. /Set	μ_e Approx./Set	
CF139	0.10 \pm 0.02	\approx 1730	\approx 744	\approx 1035	\approx 445	CF139 ETD4917 G 0.1 S/T/D
CF139	0.50 \pm 0.05	\approx 525	\approx 226	\approx 314	\approx 135	CF139 ETD4917 G 0.5 S/T/D
CF139	0.70 \pm 0.05	\approx 409	\approx 176	\approx 245	\approx 105	CF139 ETD4917 G 0.7 S/T/D
CF139	1.0 \pm 0.05	\approx 314	\approx 135	\approx 188	\approx 81	CF139 ETD4917 G 1.0 S/T/D
CF139	1.4 \pm 0.05	\approx 245	\approx 105	\approx 146	\approx 63	CF139 ETD4917 G 1.4 S/T/D
CF139	1.5 \pm 0.05	\approx 232	\approx 100	\approx 139	\approx 60	CF139 ETD4917 G 1.5 S/T/D
CF139	2.0 \pm 0.05	\approx 188	\approx 81	-	-	CF139 ETD4917 G 2.0 S/T
CF139	3.0 \pm 0.05	\approx 139	\approx 60	-	-	CF139 ETD4917 G 3.0 S/T

