

# SPECIFICATION FOR APPROVAL

CUSTOMER:		DATE:
PART NO: SCI4D18-470M		DWG.NO: MY2342676
CUSTOMER PART NO:		CUST.DWG.NO:
(1) DIMENSION(UNIT: mm)  		A 5.0 (MAX) m/m
		B 2.0 (MAX) m/m
		C 4.5 (REF) m/m
		D 1.6 (REF) m/m
		E m/m
		G 1.5 (REF) m/m
		H 5.3 (REF) m/m
		L 5.3 (REF) m/m
		(2)ELECTRICAL REQUIREMENTS
L (uH)	47 ± 20%	
RDC (Ω)	0.63 (MAX)	
IDC (A)	0.5 (MAX)	
TEST CONDITION	100KHZ / 0.1 V	
(4)MATERIAL LIST		
NO/ITEM	MATERIAL	SUPPLIER
CORE	DR4.6×1.7 D3 B1.6 F0.8 RI4.7×1.45×3.85 或同等級	昱欣
WIRE TYPE	2UEW φ0.1m/m 或同等級	上海中馬
WINDING	36.5 TS (REF)	
BASE	C-4D18-A 或同等級	碩誠
		APPROVED BY 吳載敏
		CHECKED BY 張明德
		DRAWN BY Vicky

**CORE MASTER ENTERPRISE CO., LTD.**

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# TEST DATA

CUSTOMER:				DATE:			
PART NO: SCI4D18-470M				DWG.NO: MY2342676			
CUSTOMER PART NO :				CUST.DWG.NO :			
TEST CONDITION: 100KHZ / 0.1 V				DIMENSION (UNIT : mm)			
ITEM	L (uH)	RDC (Ω)	IDC (A)	A	B		
SPEC	47 ± 20%	0.63 (MAX)	0.5 (MAX)	5.0 (MAX)	2.0 (MAX)		
1	49	0.57	OK	4.90	1.86		
2	48	0.58	OK	4.70	1.88		
3	47	0.59	OK	4.80	1.79		
4	47	0.58	OK	4.98	1.83		
5	46	0.57	OK	4.88	1.88		
6	48	0.58	OK	4.90	1.86		
7	47	0.58	OK	4.70	1.88		
8	49	0.57	OK	4.80	1.79		
9	48	0.59	OK	4.98	1.83		
10	47	0.58	OK	4.88	1.88		
$\bar{X}$	48	0.58		4.85	1.85		
R	3	0.02		0.28	0.09		
TEST INSTRUMENTS HIOKI3532-50 LCR METER VR-131 RDC METER VR116+VR7220 BA/S CURRENT				APPROVED BY 吳載敏			
				CHECKED BY 張明德			
				DRAWN BY Vicky			

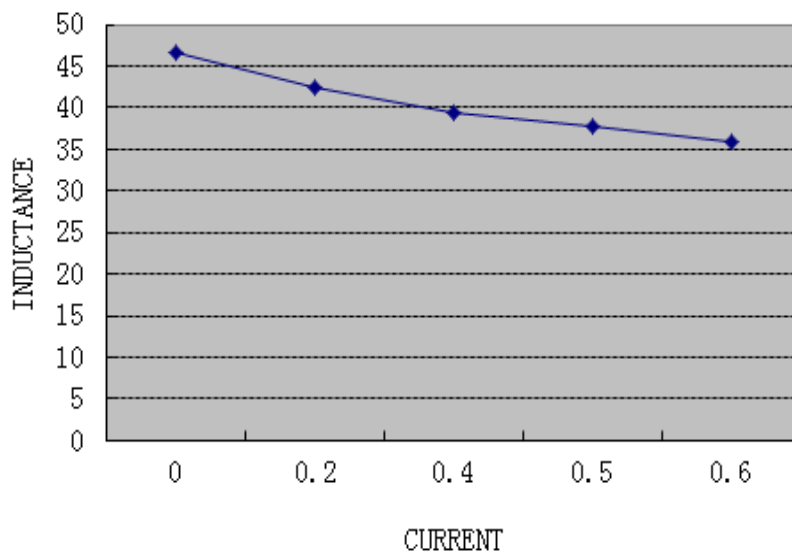
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# INDUCTANCE VS CURRENT

CUSTOMER:	DATE:
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CUSTOMER PART NO :	CUST.DWG.NO :

CURRENT VS INDUCTANCE					
IDC(A)	INDUCTANCE(uH)				
0	46.6				
0.2	42.5				
0.4	39.5				
0.5	37.7				
0.6	35.8				



APPROVED BY 吳載敏	CHECKED BY 張明德	DRAWN BY Vicky
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