

# SPECIFICATION FOR APPROVAL

CUSTOMER:		DATE:
PART NO: SCI4D18-220M		DWG.NO: MY2315625
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)	22 ± 20%	
RDC (Ω)	0.3 (MAX)	
IDC (A)	0.6 (MAX)	
TEST CONDITION	100KHZ / 0.1 V	
(4)MATERIAL LIST		
NO/ITEM	MATERIAL	SUPPLIER
CORE	DR4.6×1.7 D3 B1.6 F0.3 RI4.7×1.45×3.85 或同等級	昱欣
WIRE TYPE	2UEW φ 0.13m/m×1P 或同等級	上海中馬
WINDING	24.5 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: SCI4D18-220M				DWG.NO: MY2315625			
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	22 ± 20%	0.3 (MAX)	0.6 (MAX)	5.0 (MAX)	2.0 (MAX)		
1	22.1	0.271	OK	4.91	1.70		
2	22.7	0.273	OK	4.87	1.83		
3	22.3	0.271	OK	4.90	1.81		
4	21.6	0.273	OK	4.91	1.81		
5	22.3	0.271	OK	4.87	1.84		
6	22.1	0.273	OK	4.91	1.70		
7	22.7	0.273	OK	4.87	1.83		
8	21.8	0.272	OK	4.90	1.81		
9	21.3	0.273	OK	4.91	1.81		
10	22.4	0.270	OK	4.87	1.84		
$\bar{X}$	22.13	0.272		4.89	1.80		
R	1.40	0.003		0.04	0.14		
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			

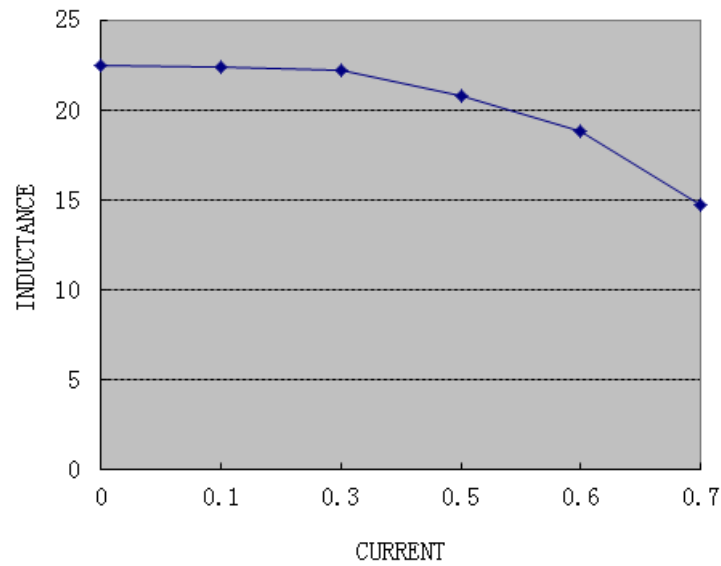
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# INDUCTANCE VS CURRENT

CUSTOMER:	DATE:
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CURRENT VS INDUCTANCE					
IDC(A)	INDUCTION(uH)				
0	22.5				
0.1	22.4				
0.3	22.2				
0.5	20.8				
0.6	18.8				
0.7	14.7				



APPROVED BY 吳載敏	CHECKED BY 張明德	DRAWN BY Vicky
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