

# SPECIFICATION FOR APPROVAL

CUSTOMER:		DATE:
PART NO: SMPI04020-1R0M		DWG.NO: WC1136284
CUSTOMER PART NO:		CUST.DWG.NO:
<p>(1) DIMENSION(UNIT: mm)</p>		A     4.45 ± 0.4     m/m
		B     4.06 ± 0.3     m/m
		C     2.0 (REF)     m/m
		D     2.0 (MAX)     m/m
		E     1.1 (REF)     m/m
		F     m/m
		G     m/m
		H     m/m
		I     m/m
		J     m/m
		(2)ELECTRICAL REQUIREMENTS
L (uH)	1.0 ± 20%	
RDC (mΩ)	37 (MAX)	
Isat (A)	8 (MAX)	
Irms (A)	4.5(MAX)	
TEST CONDITION	100KHz / 1V	
OPERATING TEMP.	-45 °C ~ +125°C	
		APPROVED BY 吳載敏
		CHECKED BY 張明德
		DRAWN BY AMY

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

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# TEST DATA

CUSTOMER:				DATE:				
PART NO: SMPI04020-1R0M				DWG.NO: WC1136284				
CUSTOMER PART NO :				CUST.DWG.NO :				
TEST CONDITION: 100KHz / 1V				DIMENSION (UNIT : mm)				
ITEM	L (uH)	RDC (mΩ)	IDC (A)	A	B	C	D	E
SPEC	1.0 ± 20%	37 (MAX)	8 (MAX)	4.45 ± 0.4	4.06 ± 0.3	2.0 (REF)	2.0 (MAX)	1.1 (REF)
1	0.94	30.62	OK	4.55	4.01	2.02	1.77	1.14
2	0.94	30.25	OK	4.55	4.01	2.02	1.73	1.12
3	0.98	30.31	OK	4.53	4.06	2.02	1.74	1.16
4	0.99	30.72	OK	4.52	4.08	2.04	1.75	1.15
5	1.01	30.66	OK	4.57	4.07	2.04	1.78	1.14
6	1.02	30.25	OK	4.57	4.04	2.03	1.76	1.13
7	1.03	30.35	OK	4.56	4.02	2.03	1.82	1.11
8	1.04	30.42	OK	4.52	4.04	2.03	1.75	1.15
9	1.05	30.78	OK	4.53	4.04	2.01	1.74	1.13
10	1.06	30.58	OK	4.58	4.03	2.01	1.81	1.12
X	1.01	30.49		4.55	4.04	2.03	1.77	1.14
R	0.12	0.53		0.06	0.07	0.03	0.09	0.05
TEST INSTRUMENTS MICROTEST6377 TH2511						APPROVED BY 吳載敏		
						CHECKED BY 張明德		
						DRAWN BY AMY		

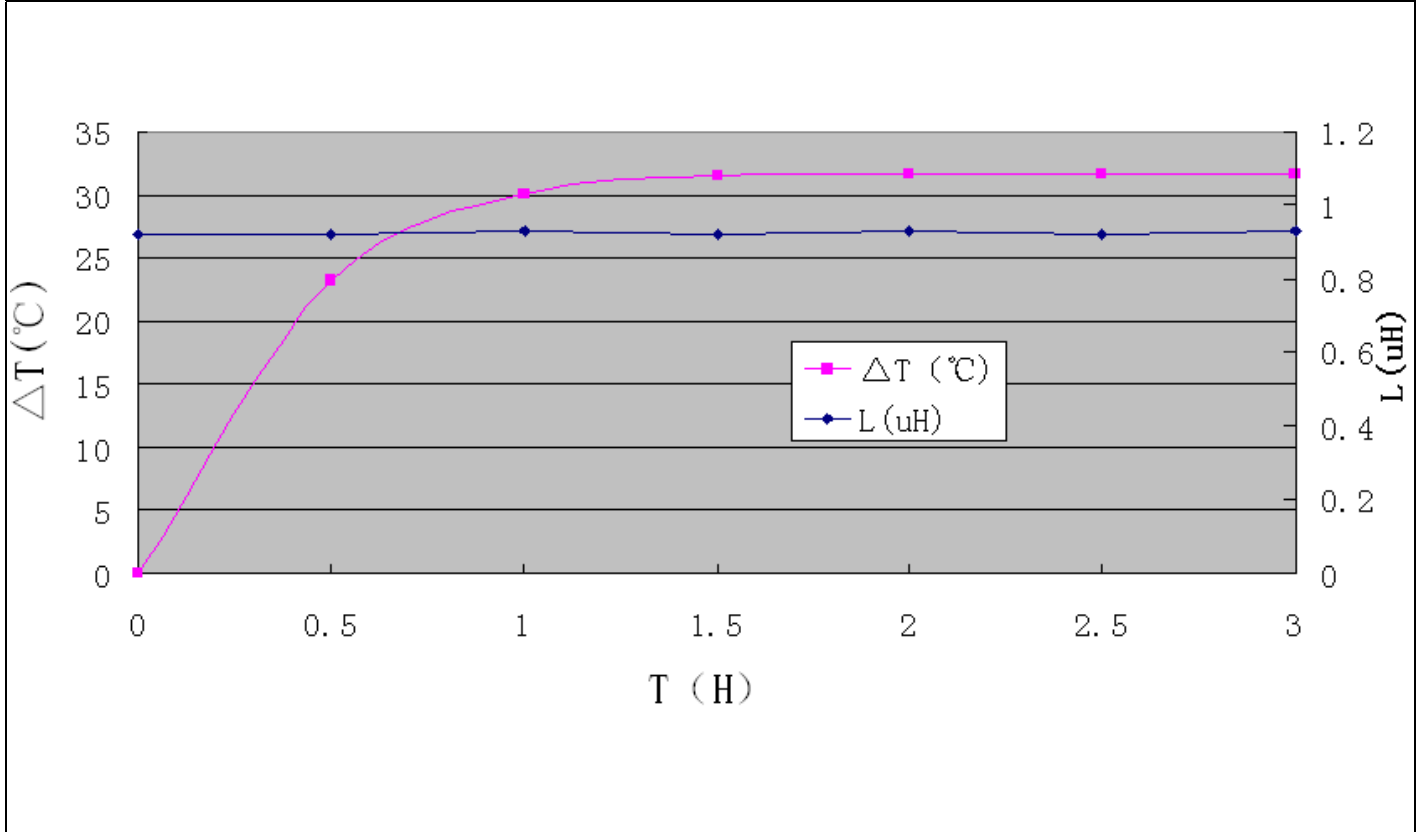
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# TEMP. RISE VS DC CURRENT

CUSTOMER:	DATE:
PART NO: SMPI04020-1R0M	DWG.NO: WC1136284
CUSTOMER PART NO :	CUST.DWG.NO :

DC CURRENT VS TEMPERATURE @100HKz/1.0V 4.5A				
T (H)	$\Delta T$ (°C)	L (uH)		
0	0	0.92		
0.5	23.2	0.92		
1.0	30.1	0.93		
1.5	31.5	0.92		
2.0	31.6	0.93		
2.5	31.6	0.92		
3.0	31.6	0.93		



APPROVED BY 吳載敏	CHECKED BY 張明德	DRAWN BY AMY
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