

产品承认书

SPECIFICATION FOR APPROVED

版本: REV.A1

客 户

ANT

Customer

客户料号

Customer P/N

品 名

SMD POWER INDUCTOR

Description

产品型号

CKCH0704-10 μ H/M

CENKER P/N

图纸编号

SP-CK112-00042438

Drawing No.

产品编号

Product code.

出图

DRAWING

制表

Prepared By

审核

Checked By

批准

Approved By

邓舵

邓舵

万芳中

DATE: 2017-11-6

承认

CUSTOMER APPROVAL

DATE:



深圳市岑科实业有限公司

SHENZHEN CENKER ENTERPRISE LTD.

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SPECIFICATION FOR APPROVAL

RoHS COMPLIANT

CUSTOMER	ANT	CUSTOMER No.	
CENKER P/N	CKCH0704-10μH/M	DRAWING No.	SP-CK112-00042438
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MODIFY RECORD

[illegible]

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3、ELECTRICAL REQUIREMENTS:

ITEM	SPEC.	TOLERANCE	TEST FREQUENCY	TEST EQUIPMENT
INDUCTANCE	10μH	±20%	100KHz/0.25V	HP-4284A
DCR	75mΩ	Max.	at 25℃	Keysight 34420A
IDC	2.8A	L0A*80% Ref.	100KHz/0.25V	HP-4284A+HP-42841A

* IDC : DC current at which the inductance drops approximate 20% from its value without current.

4、MATERIAL LIST:

No.	Material	Specification	Supplier	Temp. Class
1	Core	DR5.3*3.7 or equivalent	LB	
2	RI Core	RI7.3*3.5 or equivalent	LB	
3	Wire	Ø0.30mm×15.5Ts. Ref. (2UEW) or equivalent	YLSL	180℃
4	Solder	Sn99.3-Cu0.7 or equivalent	CS	
5	Base	CKCH74 Base or equivalent	HG	
6	Epoxy	CKZ-500 or equivalent	CK	



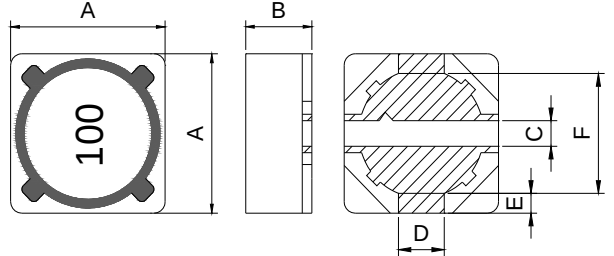
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RoHS COMPLIANT

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CUSTOMER	ANT	LOT No.			
CUSTOMER No.		QUANTITY	10PCS	DATE	2017-11-6
DRAWING No.	SP-CK112-00042438	DIMENSION(UNIT: mm) 			
CENKER P/N	CKCH0704-10μH/M				
DESCRIPTION	SMD POWER INDUCTOR				
TEST FREQ	100KHz/0.25V				
TEMPERATURE	25 °C	HUMIDITY	75%		

5、TESTING DATA:

ELECTRONICAL TEST DATA				OREALL DIMENSTON (UNIT: mm)									Marker
	L	IDC 2.8A	DCR	A	B	C	D	E	F				
SPEC	10μH ±20%	L0A*80 % Ref.	75mΩ Max.	7.8 Max.	4.5 Max.	1.2±0.2	2.7±0.2	1.3±0.3	4.5±0.3				100
1	9.77	9.02	51.21	7.31	3.99	1.07	2.70	1.31	4.50				OK
2	9.67	8.68	50.50	7.35	3.99	1.02	2.71	1.3	4.51				OK
3	9.70	8.74	50.20	7.31	4.00	1.12	2.70	1.32	4.52				OK
4	10.09	9.44	51.70	7.36	4.02	1.11	2.72	1.3	4.52				OK
5	10.03	9.02	50.90	7.34	4.04	1.10	2.73	1.31	4.51				OK
6	9.93	8.89	50.60	7.36	4.04	1.12	2.71	1.31	4.53				OK
7	9.98	9.00	51.20	7.35	4.04	1.10	2.72	1.3	4.51				OK
8	9.53	8.73	51.50	7.32	4.01	1.09	2.73	1.3	4.52				OK
9	9.88	9.12	50.60	7.36	4.05	1.07	2.70	1.3	4.52				OK
10	9.97	9.19	51.40	7.34	4.04	1.09	2.69	1.3	4.51				OK
$\bar{X}$	9.86	8.98	50.98	7.34	4.02	1.09	2.71	1.31	4.52				
R	0.56	0.76	1.50	0.05	0.06	0.10	0.04	0.02	0.03				

TEST EQUIPMENT:

ALL JUDGE

■ OK □ NG

L ☐ CH-1062A ☒ HP-4284A

Q ☐ HM2801A ☐ HM9481 ☐ CJ2851

DCR ☒ Keysight 34420A

SRF ☐ HM9460

IDC ☒ HP-4284A+HP-42841A



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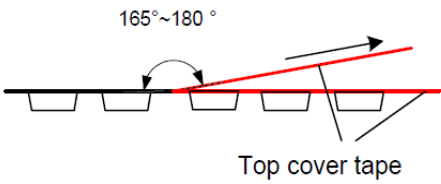
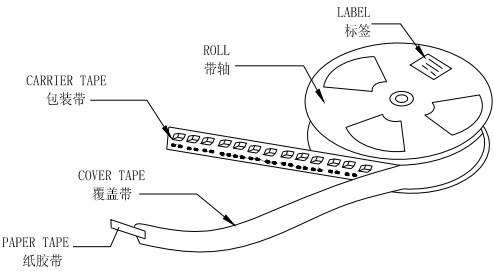
万芳中

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6、PACKAGE :

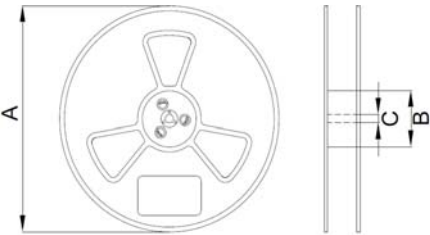
(1) Packaging -Cover Tape

The force for tearing off cover tape is 10 to 130 grams in the arrow direction.



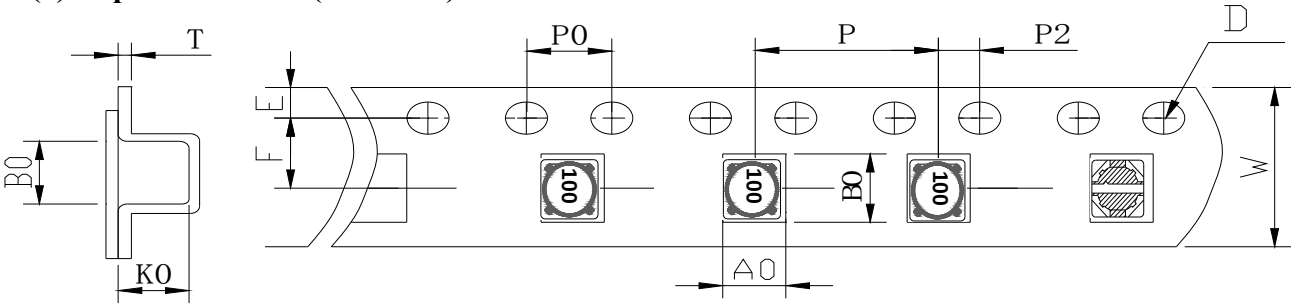
Peel-off speed: 300mm/min.

(2) Reel Dimensions (Unit:mm)

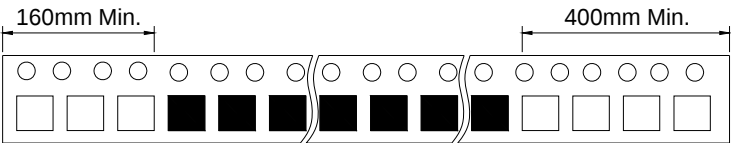


Item	Dimension
A	330±1
B	100±1
C	13±0.5

(3) Tape Dimensions(Unit:mm)



Part No.	W	A0	B0	K0	D	F	E	P	P0	P2	T
CKCH0704	16.0 ±0.3	7.8 ±0.1	7.8 ±0.1	4.8 ±0.1	1.5 ±0.1	7.5 ±0.1	1.75 ±0.1	8.0 ±0.2	4.0 ±0.1	2.0 ±0.1	0.35 ±0.05



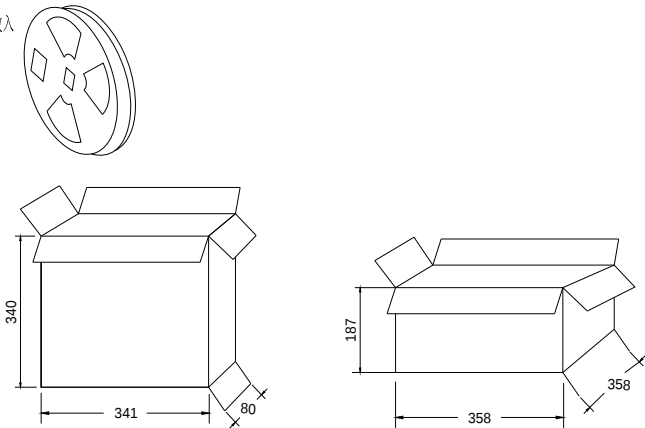
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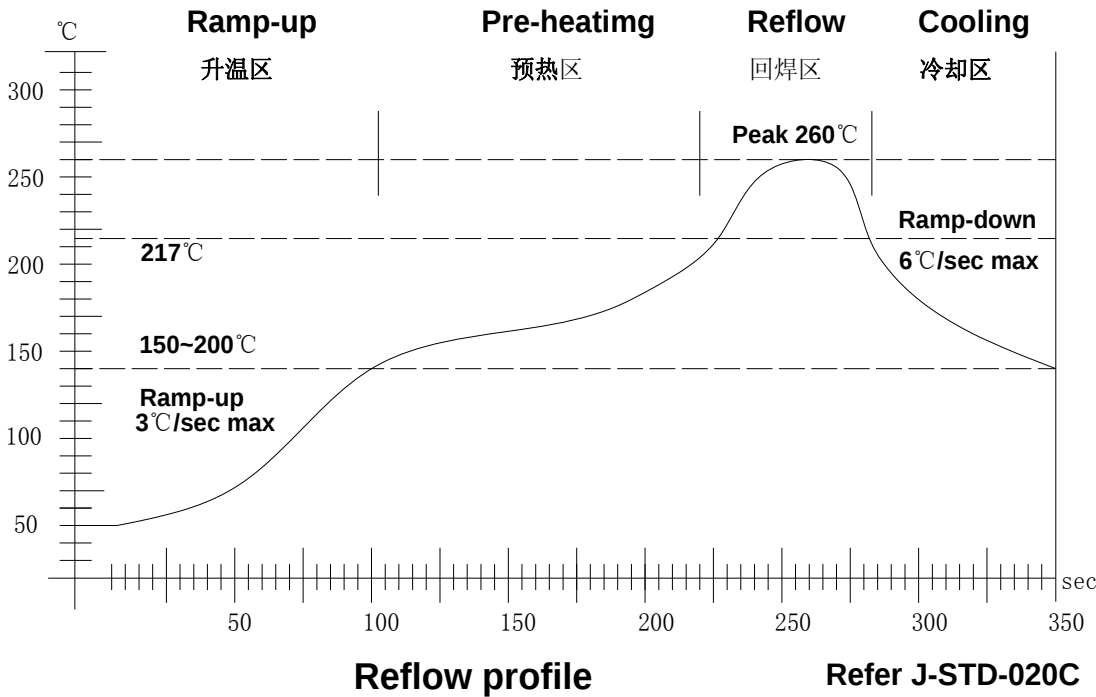
(4) Packaging Quantity

载盘垂直放入



Quantity (Pcs)		
Reel	Box	Carton
1000	3000	6000
1Reel	3Reel/Box	2Box/Carton

7、Reflow Soldering

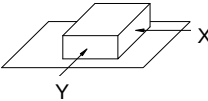


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8. 可靠性报告 Reliability Test

No.	ITEM 项目	REQUEST 要求	CONDITIONS 测试条件
1	TERMINAL STRENGTH 电极强度试验	A STATIC PULLING FORCE OF 10N IN A DIRECTION PARALLEL TO THE TERMINALS FOR 5 SECONDS 施加推拉10牛顿, 时间为5秒	NO TERMINAL BREAKAGE OR LOOSENING 未出现电极损坏或脱落现象 
2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	FIX THE SAMPLES ON A 1.6mm THICKNESS PCB, THEN DIP THE SAMPLE LEADS INTO A SOLDERING BATH OF 260 $\pm$ 5 $^{\circ}$ C UP TO THE PCB FOR 5 $\pm$ 1 SECONDS. 将产品固定在1.6mm的PCB板上, 放入锡炉中, 温度为260 $\pm$ 5 $^{\circ}$ C, 时间为 5 $\pm$ 1s.	NO MECHANICAL BREAKAGE. DEVIATION RELATIVE TO INITIAL VALUE: L: WITHIN $\pm$ 10.0% 外观无损坏 电感值在 $\pm$ 10.0%内
3	SOLDER ABILITY TEST 可焊性试验	IMMERSE THE TERMINAL IN FLUX FOR 5 SECONDS. THEN DIP THE TERMINAL INTO A SOLDERING BATH OF 245 $\pm$ 5 $^{\circ}$ C FOR 2 $\pm$ 0.5 SECONDS. 端子浸入助焊剂5s, 然后将端子放入锡炉中, 温度为 245 $\pm$ 5 $^{\circ}$ C, 时间为2 $\pm$ 0.5s	OVER 90% OF THE SURFACE BEING IMMERSED SHALL BE COVERED WITH NEW SOLDER UNIFORMITY. 90%面积有新锡附着, 焊锡表面光亮
4	HUMIDITY TEST 湿度试验	试验温度 TEMPERATURE :40 $\pm$ 2 $^{\circ}$ C 试验湿度 HUMIDITY :90%~95%RH 持续时间 DURATION:96 $\pm$ 4 Hours	DEVIATION RELATIVE TO INITIAL VALUE: 电感的变化范围 电感值在 $\pm$ 10.0%内 L: WITHIN $\pm$ 10.0%
5	HIGH TEMPERATURE TEST 高温试验	试验温度 TEMPERATURE: 125 $\pm$ 2 $^{\circ}$ C 试验时间 TIME: 96 $\pm$ 4 Hours 常温条件 ROOM CONDITION: 1~2 hours	DEVIATION RELATIVE TO INITIAL VALUE: 电感值在 $\pm$ 10.0%内 L: WITHIN $\pm$ 10.0%
6	LOW TEMPERATURE TEST 低温试验	试验温度 TEMPERATURE: -25 $\pm$ 2 $^{\circ}$ C 试验时间 TIME: 96 $\pm$ 4 Hours 常温条件 ROOM CONDITION: 1~2 hours	DEVIATION RELATIVE TO INITIAL VALUE: 电感的变化范围 电感值在 $\pm$ 10.0%内 L: WITHIN $\pm$ 10.0%
7	THERMAL SHOCK TEST 冷热冲击试验	FIRST -25 $\pm$ 5 $^{\circ}$ C FOR 30 $\pm$ 2 MINUTES, LAST 125 $^{\circ}$ C 30 $\pm$ 2 MINUTES AS 1 CYCLE. TOTAL 10 CYCLES. 首先从-25 $\pm$ 5 $^{\circ}$ C作用30 $\pm$ 2分钟, 然后温度冲击到125 $^{\circ}$ C作用30 $\pm$ 2分钟, 作为一个循环, 共做10个循环。	DEVIATION RELATIVE TO INITIAL VALUE: 电感的变化范围 电感值在 $\pm$ 10.0%内 L: WITHIN $\pm$ 10.0%
8	VIBRATION TEST 振动试验	APPLY FREQUENCY 10~55Hz 1.55mm AMPLITUDE IN EACH OF PERPENDICULAR DIRECTION FOR 2 HOURS.(TOTAL 6H) 用10~55Hz振动频率1.55mm振幅沿X,Y,Z各方向振动2小时,共6小时.	DEVIATION RELATIVE TO INITIAL VALUE: 电感的变化范围 电感值在 $\pm$ 10.0%内 L: WITHIN $\pm$ 10.0%



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