

产品承认书

SPECIFICATION FOR APPROVED

版本: REV.A3

客 户

8826

Customer

客户料号

S16100116

Customer P/N

品 名

RADIAL TYPE CHOKE INDUCTOR

Description

产品型号

CKPP0507-10uH/M-U3.5

CENKER P/N

图纸编号

SP-CK112-00038028

Drawing No.

产品编号

Product code.

出图

DRAWING

制表

Prepared By

审核

Checked By

批准

Approved By

覃玉云

韦秀华

梁秀勇

DATE:

2020/7/2

承认

CUSTOMER APPROVAL

DATE:



深圳市岑科实业有限公司

SHENZHEN CENKER ENTERPRISE LTD.

地址:深圳市龙华区清泉路金博龙工业园C栋

Address: Building No.C Jinbolong Industrial
Estate, Qingquan Road, Longhua District, Shenzhen
P.R.China

TEL: 0755-89808755 FAX: 0755-27525256



RoHS COMPLIANT

CUSTOMER	8826	CUSTOMER No.	S16100116
CENKER P/N	CKPP0507-10uH/M-U3.5	DRAWING No.	SP-CK112-00038028
ISSUE DATE	2020/7/2	VERSION	A3

MODIFY RECORD

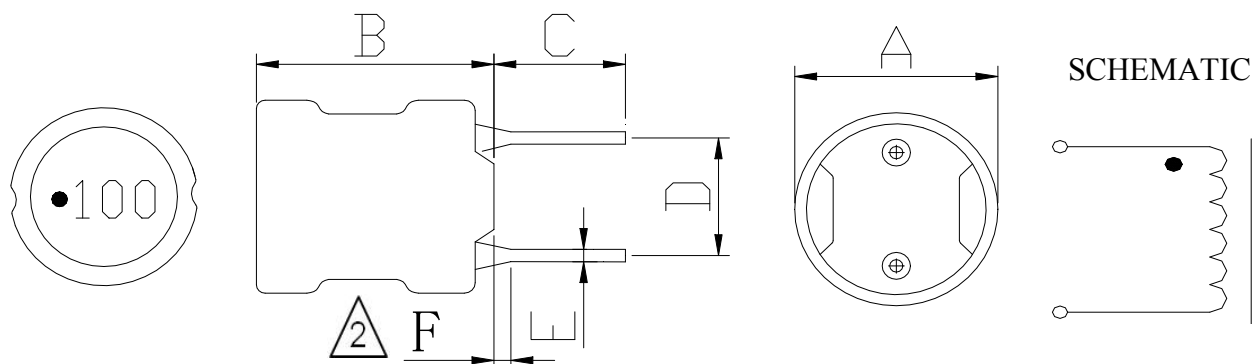
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1、 DIMENSION (mm):

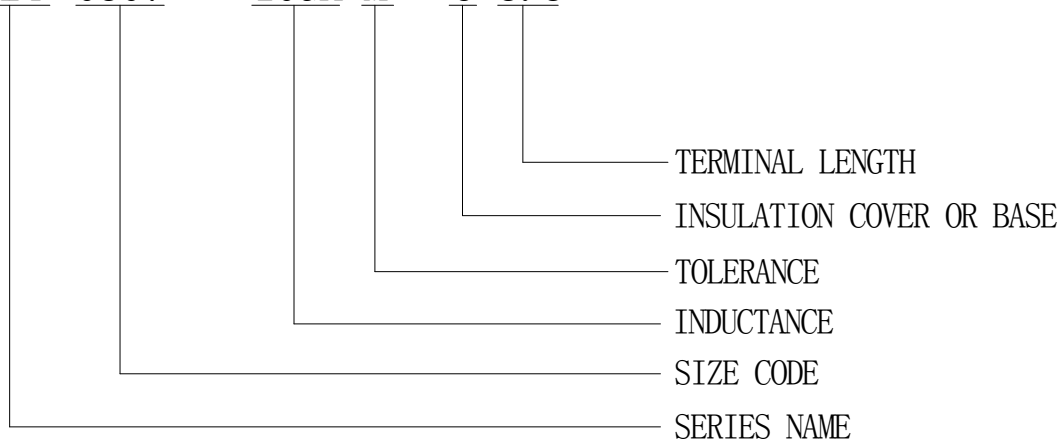


NOTE: ● Start of winding, Casing sets of flat top of the magnetic core; “F” Means wrapping height.

△3

A	B	C	D	E	F
Φ6.5Max	8.5 Max	3.5±0.5	2.5±0.5	Φ0.5 Ref	3.0Max

CKPP 0507 - 10uH M - U 3.5



2、 TEMPERATURE RATING:

Operating Temperature : -40℃ ~ +125℃ ; Storage Temperature : -20℃ ~ +40℃



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3、ELECTRICAL REQUIREMENTS:

ITEM	SPEC.	TOLERANCE	TEST FREQUENCY	TEST EQUIPMENT
INDUCTANCE	10μH	±20%	100kHz/5mA	HP-4284A
DCR	80mΩ	Max.	at 25℃	Keysight 34420A
Isat	2.6A	L0A×90% Ref.	100kHz/5mA	HP-4284A+HP-42841A
Irms	2.5A	△T≤40℃	100kHz/5mA	HP-4284A+HP-42841A
SRF	16MHz	TYP		HP-4291A

4、MATERIAL LIST:

No.	Material	Specification	Supplier	UL.
1	Core	DRT 5×7.5 or equivalent	NAN NING JINGWEI ELECTRONICS CO., LTD.	
2	Wire	Ø0.35mm×22.5Ts. Ref. (2UEW-F) or equivalent	DONG GUAN YI DA INDUSTRIAL CO.,LTD	E344055
3	Solder	Sn99.3-Cu0.7 or equivalent	HuiZhou Chang Sheng METAL PRODUCTS CO.,LTD	
4	Tube	UL Φ5mm(BLACK) RSFR-H or equivalent	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO.,LTD	E203950
		UL Φ5mm(BLACK) X-2 or equivalent	SHENZHEN XINGQI PLASTIC PRODUCE CO.,LTD	E350991
5	Epoxy	J-600 or equivalent	SHENZHEN CENKER ENTERPRISE LTD.	
6	Pin	CP Φ0.55×17.5mm or equivalent	SHENZHEN CENKER ENTERPRISE LTD.	



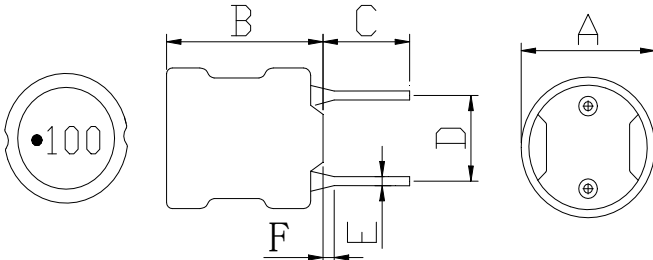
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CUSTOMER No.	S16100116	QUANTITY	5PCS	DATE	2020/7/2
DRAWING No.	SP-CK112-00038028	DIMENSION(UNIT: mm) 			
CENKER P/N	CKPP0507-10uH/M-U3.5				
DESCRIPTION	RADIAL TYPE CHOKE INDUCTOR				
TEST FREQ	100kHz/5mA				
TEMPERATURE	25 °C	HUMIDITY	75%		

5.TESTING DATA:

ELECTRONICAL TEST DATA					OREALL DIMENSTON (UNIT: mm)								
	L	DCR	IDC 2.6A	SRF	A	B	C	D	E	F			
SPEC	10μH ±20%	80mΩ Max.	L0A×90 % Ref.	16MHz TYP	Φ 6.5Max	8.5 Max	3.5±0.5	2.5±0.5	Φ0.5 Ref	3.0Max			
1	10.19	51.2	9.70	16.68	5.76	7.61	3.62	2.46	0.55	1.96			
2	10.12	52.6	9.59	16.32	5.64	7.59	3.59	2.50	0.56	1.75			
3	10.01	51.8	9.54	16.35	5.69	7.65	3.52	2.47	0.55	2.06			
4	10.18	51.6	9.68	16.36	5.77	7.62	3.54	2.52	0.56	1.58			
5	10.12	52.0	9.61	16.35	5.72	7.58	3.55	2.50	0.55	1.97			
6	10.15	51.2	9.66	16.34	5.76	7.61	3.62	2.46	0.55	1.76			
7	10.12	52.3	9.59	16.36	5.64	7.58	3.52	2.54	0.56	1.74			
8	10.08	51.5	9.61	16.35	5.62	7.62	3.55	2.47	0.55	1.95			
9	10.12	51.6	9.62	16.35	5.75	7.62	3.54	2.52	0.56	2.03			
10	10.12	52.1	9.61	16.32	5.72	7.58	3.55	2.50	0.55	1.95			
$\bar{X}$	10.12	51.79	9.62	16.38	5.71	7.61	3.56	2.49	0.55	1.88			
R	0.18	1.4	0.16	0.36	0.15	0.07	0.10	0.08	0.01	0.48			

TEST EQUIPMENT:

ALL JUDGE

☒ OK ☐ NG

L ☐CH-1062A ☒HP-4284A

Q ☐HM2801A ☐HM9481 ☐CJ2851

DCR ☒Keysight 34420A

SRF ☐HM9460

IDC ☐CD1068+CD1320 ☒HP-4284A+HP-42841A



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6.Radial Type Inductor's Reliability Testing Items

GENERAL CHARACTERISTICS

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STANDARD TESTING CONDITIONS:

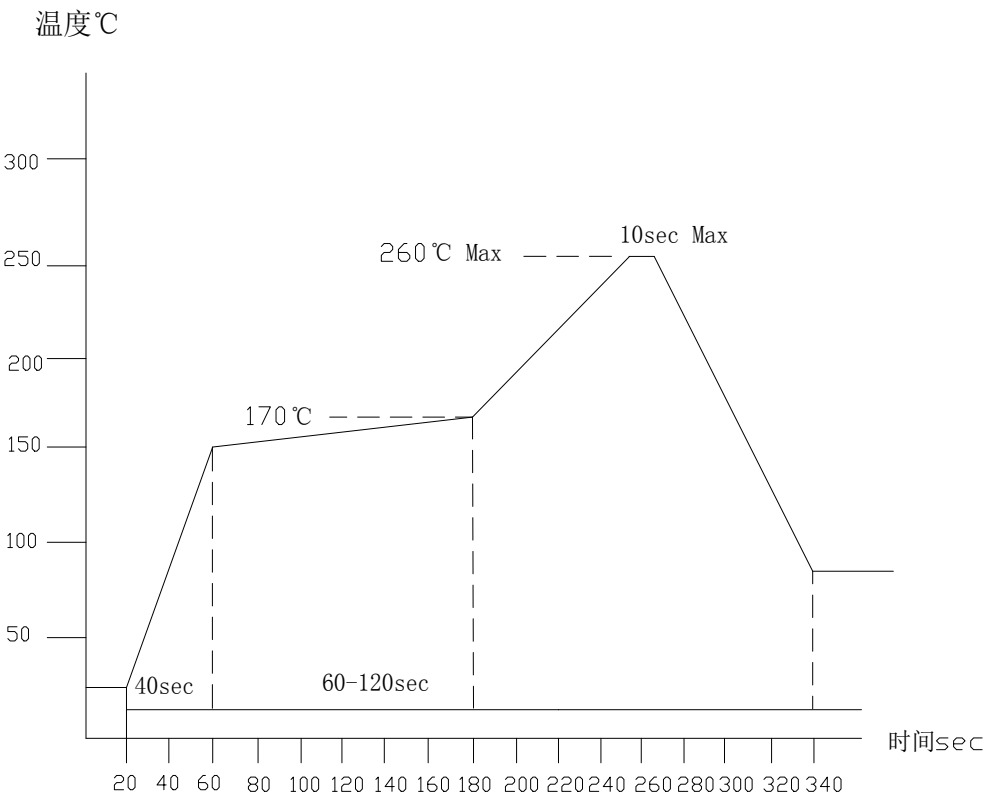
UNLESS OTHERWISE SPECIFIED, THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MEASUREMENTS AND TESTS ARE AS FOLLOWS: AMBIENT TEMPERATURE: $15^{\circ}\text{C} \sim 35^{\circ}\text{C}$. RELATIVE HUMIDITY: 25%~85%. AIR PRESSURE: 86kPa~106kPa.

Version				A3
NO.	Items	Test Methods	Requirements	
1	High temperature storage test	Temperature : $105^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Duration Time: 96 ± 4 Hours	No significant abnormality in appearance. Deviation relative to initial value: L: Within $\pm 5\%$	10
2	Low temperature storage test	Temperature : $-25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Duration Time: 96 ± 4 Hours		10
3	Humidity test	Temperature : $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Humidity : 90%~95%RH Duration Time : 96 ± 4 Hours		10
4	Thermal shock test	First $-25 \pm 5^{\circ}\text{C}$ for 30 ± 3 minutes, last $85 \pm 5^{\circ}\text{C}$ 30 ± 3 minutes as 1 cycles. Go through 10 cycles.		10
5	Resistance to soldering heat test	Fix the samples on a 1.6mm thickness PCB, then dip the sample leads into a soldering bath of $260 \pm 5^{\circ}\text{C}$ up to the PCB for 5 ± 1 seconds.		10
6	Temperature cycling test	Temperature: $-10 \pm 3^{\circ}\text{C}$ for 30 minutes; Temperature: 25°C for 10 minutes; Temperature: $70 \pm 3^{\circ}\text{C}$ for 30 minutes; Temperature: 25°C for 10 minutes; Total: 5 cycles.		10
7	Vibration test	The frequency range from 10 to 55 Hz and return to 10 Hz (amplitude of 1.5 mm) shall be traversed in approximately 1 minute. This motion shall be applied of 2 hours in each 3 mutually perpendicular directions (total of 6 hours).		10
8	Lead terminal strength	A static pulling force of 5N in a direction parallel to the lead terminals for 30 ± 5 seconds.	No terminal breakage or loosening.	10
9	Solder ability test	Immerse the terminal in flux for 5 seconds. Then dip the terminal into a soldering bath of $245 \pm 5^{\circ}\text{C}$ for 2.5 ± 0.5 seconds.	At least 75% of terminal electrode is covered by new solder.	10

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Flow (wave) soldering curve



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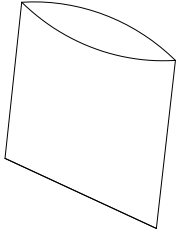
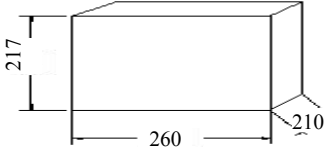
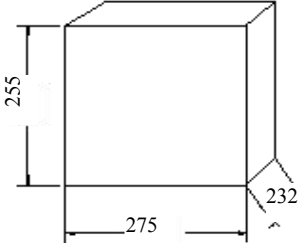
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8、PACKING(mm):

1. PE BAG: 160*115mm (400PCS/BAG);	
2. Inside the box size: 145*80*40mm (Loading 1PE BAG ,Quantity 400PCS)	
2. Inside the box size: 260*210*217mm (Loading15 Box ,Quantity 6KPCS)	
3. Outer box:275*232*255mm (Loading1Inside the box ,Quantity 6K/PCS)	



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