

产品承认书

SPECIFICATION FOR APPROVED

版本: REV.A2

客户

1186

Customer

客户料号

100023860

Customer P/N

品名

工字电感

Description

RADIAL TYPE CHOKE INDUCTOR

产品型号

CKPK0608-4.7mH/K-U3.3

CENKER P/N

图纸编号

SP-CK112-00022453

Drawing No.

产品编号

Product code.

出图

DRAWING

制表

审核

批准

Prepared By

Checked By

Approved By

刘晓煌

梁贵传

万芳中

DATE:

2015-1-8

承认

CUSTOMER APPROVAL

DATE:



深圳市岑科实业有限公司

SHENZHEN CENKER ENTERPRISE LTD.

地址:深圳市宝安区龙华镇清泉路金博龙工业园C栋

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

TEL:0755-89808755 FAX:0755-27525256

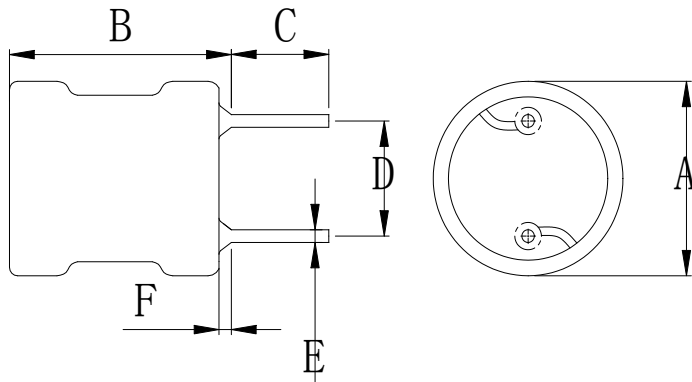


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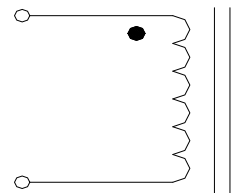
RoHS COMPLIANT

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1、DIMENSION (mm):

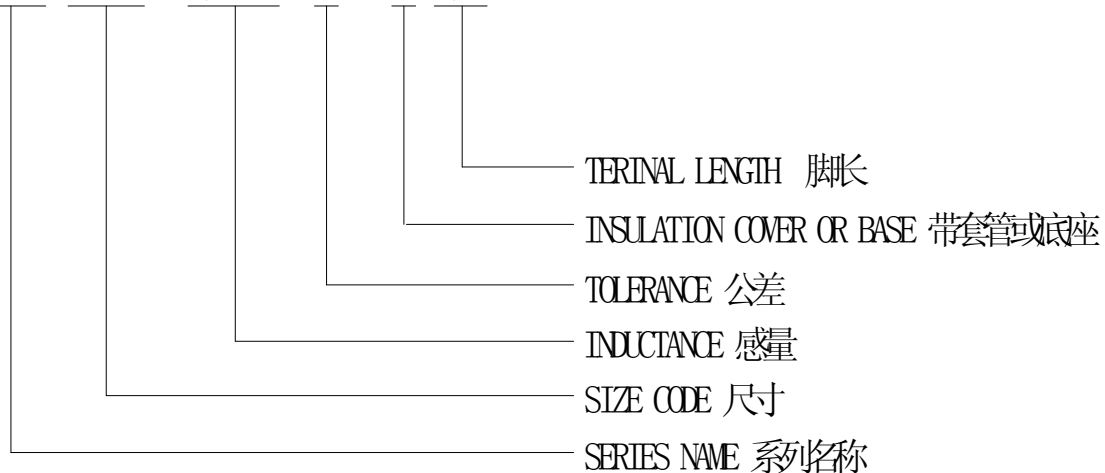


SCHEMATIC



A	B $\triangle 1$	C $\triangle 2$	D	E	F
$\Phi 8.0\text{Max}$	10.0Max	3.3 ± 0.4	3.0 ± 0.5	$\Phi 0.6\pm 0.05$	1.5Max

CKPK 0608- 4.7mH K - U 3.3



2、温度比率 TEMPERATURE RATING:

运行温度 Operating Temperature : -25℃ ~ +85℃ ; 储存温度 Storage Temperature : -25℃ ~ +85℃



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3、ELECTRICAL REQUIREMENTS:

部品 ITEM	规格 SPEC.	公差 TOLERANCE	测试频率TEST FREQUENCY	测试仪器TEST EQUIPMENT
电感值 INDUCTANCE	4.7mH	±10%	1kHz /0.25V	HP-4284A
直流电阻 DCR	17Ω	Max	At 25℃	CH-502A
电流 IDC	60mA	L0A*90% Min	10kHz /0.25V	CD1068+CD1320
Q值 Q	20	Min	100kHz /0.25V	HP-4284A

4、MATERIAL LIST:

No.	原材料Material	规格 Specification	供应商 Supplier	备注 Remark
1	Core	SR60 DR 6*8	东晨	
2	Wire	Φ0.1mm×425.5Ts ±5Ts (2UEW)	深港	130℃
3	Solder	Sn99.3-Cu0.7	昌升	
4	Tube	UL Φ6×10.5mm(BLACK)	沃尔	
5	Epoxy	J-600	岑科	
6	Pin	CP Φ0.6×17.5mm	金川	



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客户 CUSTOMER	1186	LOT No.			
客户料号 CUSTOMER No.	100023860	QUANTITY	10PCS	DATE	2015-1-8
图纸编号 DRAWING No.	SP-CK112-00022453	DIMENSION(UNIT: mm)			
岑科料号 CENKER P/N	CKPK0608-4.7mH/K-U3.3				
部品 DESCRIPTION	工字电感 RADIAL TYPE CHOKE INDUCTOR				
测试条件 TEST FREQ	1kHz /0.25V, 10kHz /0.25V				
温度 TEMPERATURE	25 °C				

5、测试数据

TESTING DATA:

电器参数 ELECTRONICAL TEST DATA					尺寸 OREALL DIMENSTON (UNIT: mm)						Marking	
	L	DCR (Ω)	IDC (60mA)	Q	A	B	C	D	E	F		
SPEC	4.7mH ±10%	20.0 Max	L0A *90% Ref.	20.0 Min	Φ8.0Max	10.0Max	3.3±0.4	3.0±0.5	Φ 0.6±0.05	1.5Max		
1	4.67	12.77	4.34	44.1	6.57	9.61	3.10	2.92	0.61	0.82		
2	4.68	12.98	4.35	39.3	6.51	9.69	3.05	3.04	0.62	0.79		
3	4.68	12.98	4.35	39.8	6.50	9.64	3.08	3.01	0.61	0.86		
4	4.66	13.06	4.33	43.2	6.56	9.65	3.09	2.95	0.61	0.84		
5	4.69	13.07	4.36	41.3	6.54	9.65	3.11	2.98	0.62	0.86		
6	4.71	13.00	4.38	40.2	6.52	9.68	3.15	2.99	0.61	0.88		
7	4.67	12.77	4.34	42.8	6.55	9.64	3.06	3.01	0.62	0.84		
8	4.68	12.75	4.35	41.7	6.54	9.66	3.09	3.02	0.61	0.79		
9	4.71	12.84	4.38	44.5	6.52	9.65	3.15	3.02	0.61	0.86		
10	4.71	12.99	4.38	42.7	6.53	9.64	3.11	2.96	0.62	0.85		
\bar{X}	4.69	12.92	4.36	41.96	6.53	9.65	3.10	2.99	0.61	0.84		
R	0.05	0.32	0.05	5.20	0.07	0.08	0.10	0.12	0.01	0.09		

TEST EQUIPMENT:

ALL JUDGE

OK NG

- L CH-1062A HP-4284A
- Q HM2801A HM9481 CJ2851
- DCR CH-502A
- SRF HM9460
- IDC CD1068+CD1320 HM-2713-1+HM-2791 LCR

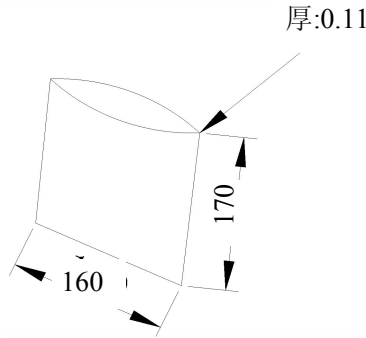
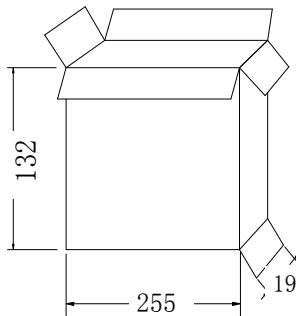
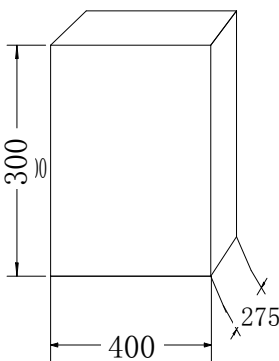
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6、包装 PACKING (mm):

<p>1. PE袋尺寸: 160*170*0.11mm (200PCS/袋);</p>	 <p>厚:0.11</p>
<p>2. 内箱尺寸: 255*190*132mm (装10PE袋,数量 5KPCS) 材质A3A;</p>	
<p>3. 外箱尺寸: 400*275*300mm (装4个内箱, 数量为20K/PCS) 材质A+1+A;</p>	



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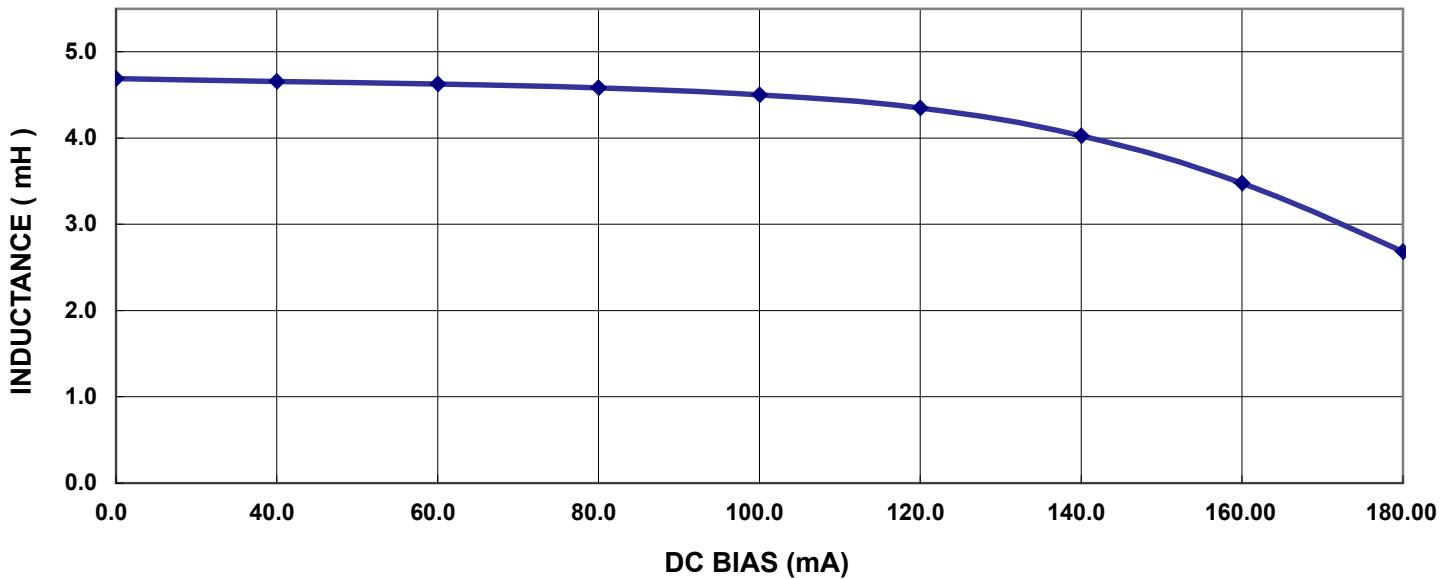
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**电感值VS直流电流
INDUCTANCE (mH) VS DC BIAS (A) CURVE**

DC BIAS (mA)	Inductance (mH)					
0.0 mA	4.691					
40.0 mA	4.658					
60.0 mA	4.627					
80.0 mA	4.581					
100.0 mA	4.501					
120.0 mA	4.350					
140.0 mA	4.025					
160.00 mA	3.476					
180.00 mA	2.681					

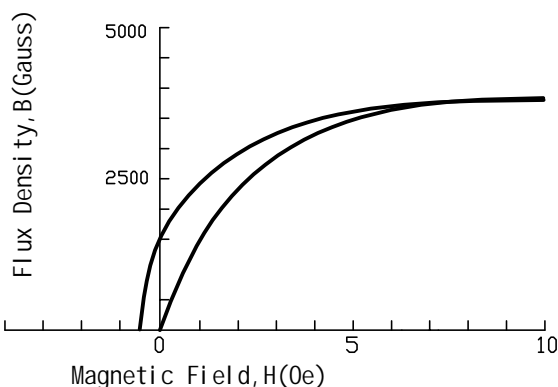


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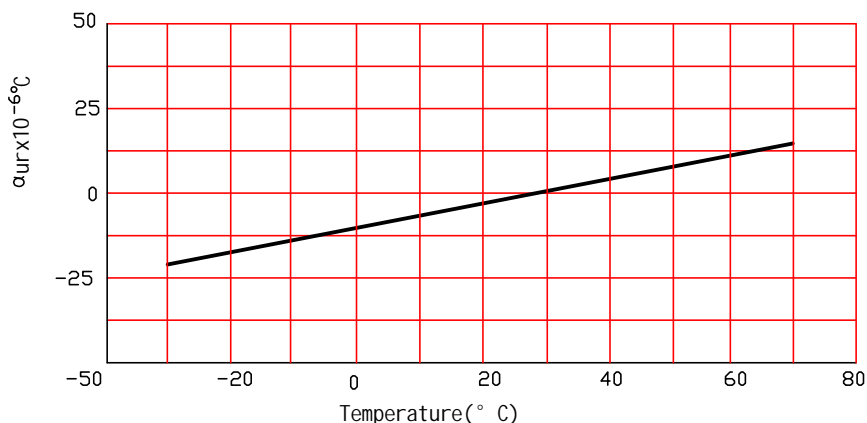
SR60材质曲线

材质	初导磁率 μ_i	使用频率 MHz	饱和磁通密度 GAUSS	残留磁束密度 GDUSS	居里温度 TC	表面阻抗 $M\Omega$	保磁力 HCDE	密度 g/cm^3	温度系数
SR60	600	0.1-1.5	3900	1500	180	100	0.56	4.8	15

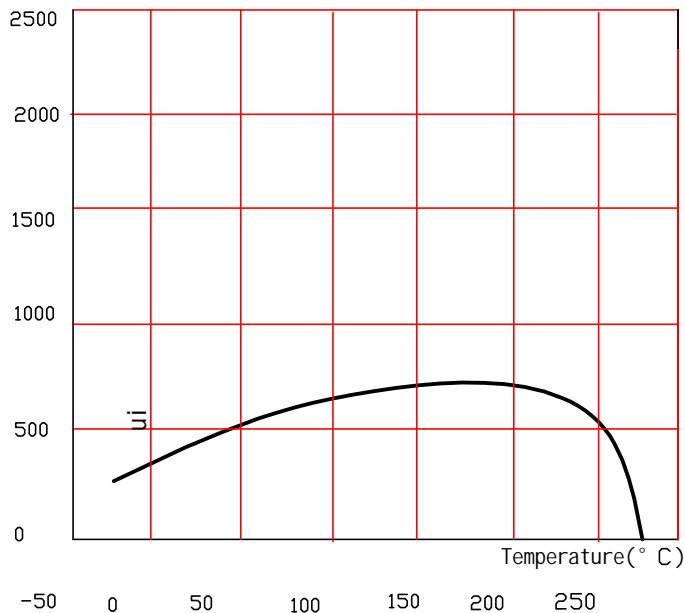
Saturation Flux Density



Temperature Factor of Permeability



Curie Temperature



μ_i vs. frequency response characteristics

