

TC5026-470K-2A

TC5026-471K-1A

中空圓環繞線式電感

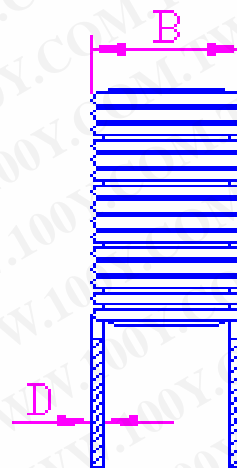
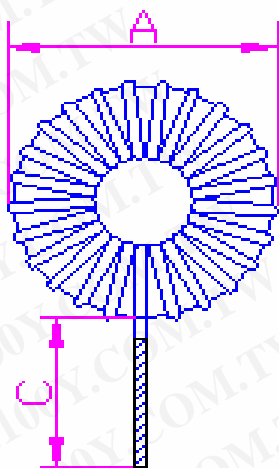
勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

CUSTOMER:

HP P/N:

LOT NO :

1.MECHANICAL DIMENSIONS DRAW NO:TC5026



Item	Spec(mm)	Ref.
A	14.7 MAX	
B	6.83MAX	
C	10.0 ±2.0	
D	0.7±0.05	
E		
F		
G		
H		
I		

Marking:

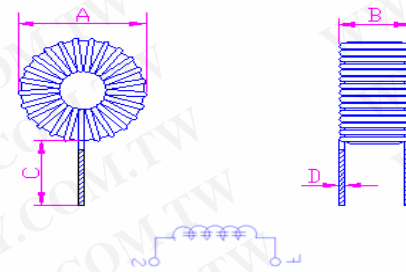
2.ELECTRICAL CHARACTERISTICS:

Item	Spec	Ref.	Test Equipments
L	470uH ±10%	470uH	TH2819PRECISIONLCRMETER
Test Freq			VR1153 & VR7210
Test Freq	0		TH2819PRECISIONLCRMETER

Turn Ope.Temp	-25 TO 120°C		
CUSTOMER APPROVED		APPROVED	CHECKED
			DRAWN

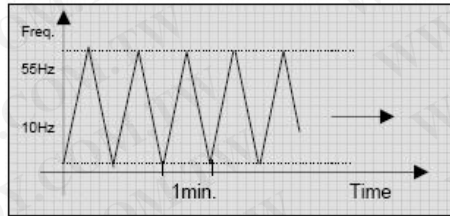
FRM-ENGRD-007

As soon as this specification approved by your company,products will be provided as this specification.
A written notice is needed immediately,whenever there is a changing to product specification.We won't
answer for any consequences unless the written notice is received by our company before production.

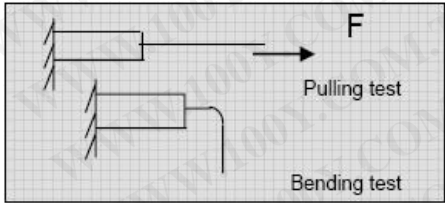
LOT NO :						SHAPE : 					
QUANTITY :											
TEST FREQ.: L@1KHz/0.25V											
COIL DESCRIPTION :											
WIRE : mm		TURN :		Ts							
TEMP: 23 °C		HUMI: 38 %									
ELECTRICAL CHARACTERISTICS AND MECHANICAL DIMENSIONS (m/m) :											
ITEM	L	A	B	C	D	E	F	G	H	INSPECTED	I
SPEC	470uH	14.7	6.83	10.0	0.7						
TOL.	±10%	MAX	MAX	±2.0	±0.05						
1	464.00	OK	OK	OK	OK						
2	460.00	OK	OK	OK	OK						
3	450.00	OK	OK	OK	OK						
4	470.00	OK	OK	OK	OK						

5	472.00	OK	OK	OK	OK						
6	465.00	OK	OK	OK	OK						
7	473.00	OK	OK	OK	OK						
8	459.00	OK	OK	OK	OK						
9	462.00	OK	OK	OK	OK						
10	470.00	OK	OK	OK	OK						
Max	473.00	0.00	0.00	0.00	0.00						
Min	450.00	0.00	0.00	0.00	0.00						
\bar{X}	464.50	OK	OK	OK	OK						
JUDGE	OK	OK	OK	OK	OK						

AL,PK,VC,FC,TC(IRON CORE) and other similar types

Item(项目)	Required Characteristics(要求)	Test Method / Condition(测试方法)
Solderability test Reference documents: MIL-STD-202G Method 208H IPC J-STD-002B 可焊性测试	Terminals area must have 95% min. solder coverage 端子上锡率95%以上	1.Dip pads in flux then dip in solder pot at 245±5℃ for 5 seconds. 2.Solder: Sn(63)/Pb(37) 3.Flux: rosin flux 1.端子浸入助焊剂,然后浸入245±5℃锡炉中5秒钟 2.焊料 :Sn(63)/Pb(37) 3.助焊剂:松香助焊剂
Heat endurance of flow solder Reference documents: MIL-STD-202G Method 210F 波峰焊耐热试验	1.No case deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$ 1.无明显的外观缺陷 2.电感量变化不超过10% 3.品质因素变化不超过30% 4.直流电阻变化不超过10%	1.Dip pads in flux then dip in solder pot at 260±5℃ for 10 seconds. 2.Solder: Sn(63)/Pb(37) 3.Flux: rosin flux 1.端子浸入助焊剂,然后浸入260±5℃锡炉中10秒 2.焊料 :Sn(63)/Pb(37) 3.助焊剂:松香助焊剂
Vibration test Reference documents: MIL-STD-202G Method 201A 振动测试	1.No case deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$ 1.无明显的外观缺陷 2.电感量变化不超过10% 3.品质因素变化不超过30% 4.直流电阻变化不超过10%	Apply frequency 10~55Hz. 0.75mm amplitude in each of perpendicular direction for 2 hours. (total 6 hours)  振动频率：10~55Hz,振幅：0.75mm,沿X,Y,Z方向各振动2小时.(共6小时)
Drop test Reference documents: IEC 68-2-32:1990 跌落试验	1.No case deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$ 1.无明显的外观缺陷 2.电感量变化不超过10% 3.品质因素变化不超过30% 4.直流电阻变化不超过10%	Packaged & Drop down from 1m with 981m/s ² (100G) attitude In 1 angle 1 ridges & 2 surfaces orientations. 将产品包装后从1米高度自然落下至试验板上 跌落方向为两个表面方向的一个棱面的一个棱角

Physical characteristic tests (物理特性试验)

Terminal strength	<p>1.Terminal should not come out 2.$\Delta L/L \leq 10\%$ 3.$\Delta Q/Q \leq 30\%$ 4.$\Delta DCR/DCR \leq 10\%$</p>	<p>A.Pull Force:0.45kg;the force shall be applied gradually to the terminal and then maintained for 10 seconds. C. Wire-lead bend:0.23kg,The rate of bending shall be approximately 3 seconds per bend in each direction. The load shall be suspended at a point within 1/4 inch from the free end of the terminal.</p>
Reference documents:	For: Wire-leaded components - Test A & C For: Others leaded components - Test A	
端子强度试验	<p>1.端子不会松脱 2.电感量变化不超过10% 3.品质因素变化不超过30% 4.直流电阻变化不超过10%</p>	 <p>A.拉力:0.45公斤力,拉力主见增加到最大值并维持10秒; C.线脚弯曲:0.23公斤力,每个方向弯曲3次,负载应该加在离端子末端1/4英寸处;</p>
Resistance to solvent test Reference documents:	No case deformation or change in appearance,or obliteration of marking	To dip parts into IPA solvent for 5±0.5Min,then drying them at room temp for 5Min,at last ,to brushing making 10 times.
IEC 68-2-45:1993 耐溶剂性试验	无外观破坏及标记破损	在IPA溶剂中浸泡5±0.5分钟,室温下干燥5分钟,然后擦拭10次.

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Electrical Characteristic tests (电特性试验)	Item(项目)	Required Characteristics(要求)	Test Method / Condition(测试方法)
	Electronic characteristic test of major products 主要产品电热醒测试	Refer to catalogue of specific products 参照具体产品目录页	Refer to catalogue of specific products 参照具体产品目录页
	Overload test Reference documents: JIS C5311-6.13 过负荷试验	1.During the test no smoke, no peculiar,smell, no fire 2.The characteristic is normal after test 1.试验过程中无冒烟、异味、着火等; 2.试验后产品特性正常.	Apply twice as rated current for 5 minutes. 通过两倍额定电流5分钟
	Voltage resistance test Reference documents: MIL-STD-202G method 301 绝缘耐压测试	1.During the test no breakdown 2.The characteristic is normal after test 1.实验过程中无击穿 2.试验后产品特性正常	Refer to products specification 1.只针对SMT二绕组以上 2.电压DC1000V,电流1mA,时间1分钟.