



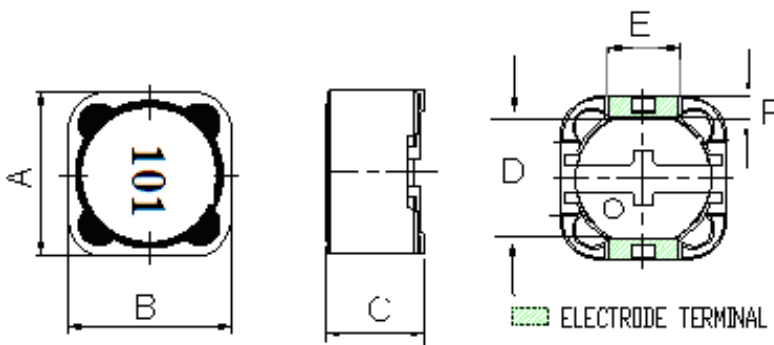
深圳振华富电子有限公司

SHENZHEN ZHENHUA FU ELECTRONICS CO., LTD

SPECIFICATION FOR APPROVAL

SPECIFICATIONS		DATE 日期	2018-05-29
CUSTOMER/客户名		SPEC/规格	SMRH127-101M (f)
Q' TY/数量	10pcs	PART NO/料号	-
TEMP /温度	25 °C	HUMIDITY/湿度	70%

一、外形尺寸 DIMENSIONS:(mm):

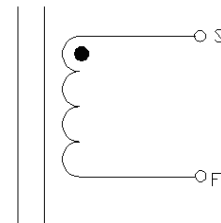


A(mm)	12.0±0.3
B(mm)	12.0±0.3
C(mm)	8.0MAX
D(mm)	7.6REF
E(mm)	5.0REF
F(mm)	2.2REF

二、材料 MATERIAL:

- 1: 磁芯 CORE
- 2: 外套 SHIELDING
- 3: 端极片 BASE
- 4: 铜线 WIRE
- 5: 锡 Sn
- 6: 胶 EPOXY

三、电性图 ELECTRICAL DIAGRAM:



四、电气特性 ELECTRICAL CHARACTERISTIC:

项目 ITEM	规格 SPEC	测试仪器 TEST EQUIPMENT	测试频率 TEST CONDITION
电感量(L)	100uH±20%	TH2816A	1KHz/0.25V
直流电阻 (DCR)	220(mΩ) MAX	502BC	
额定电流 (Ir)	1.7(A) MAX	TH1775	

拟制 Prepared By: 望蓉

审核 Checked By: 宋佳辉

批准 Approved By: 方翰章

五、规格编号 SPECIFICATION NO:

SMRH 127 — 101 M (f)
 ① ② ③ ④ ⑤

①系列代号 Product symbol:

②尺寸 Dimmensions:

③电感量 Inductance: 3R3: 3.3 μ H , R47: 0.47 μ H, 101: 100 μ H

④允许偏差 Tolerance: K— $\pm 10\%$ J— $\pm 5\%$ M— $\pm 20\%$ N— $\pm 30\%$

⑤无铅产品 Leadfree Products:

六、测试数据 TEST DATA:

电气特性 ELECTRICAL CHARACTERISTIC			
项目 ITEM	L(μ H)	DCR(m Ω)	L(μ H)/1.7(A)
规格 SPEC	100 \pm 20%	220(max)	
1	101.0	149	95.6
2	98.2	151	94.0
3	99.8	151	95.8
4	102.0	147	97.5
5	95.7	150	90.2
6	101.2	148	95.6
7	101.6	151	97.2
8	99.8	149	94.3
9	98.9	150	94.0
10	102.0	158	95.8
\bar{X}	100.02	150.4	95.00
R	6.3	11.0	7.3

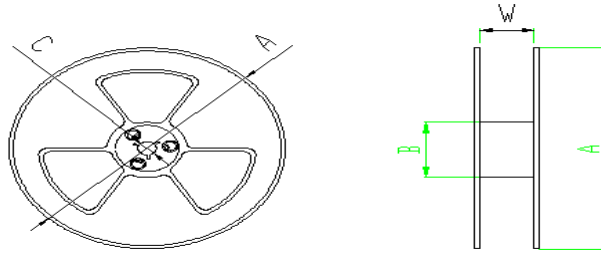
样品承认书

七、.包装方式 PACKAGING:

1.每卷轴包装数量 500PCS/R (开始与结尾留空 30~40cm 不装 COIL), 贴上正确的标签,然后放入一塑料袋 (胶袋尺寸:360x460mm)内,附一包干燥剂,封口,卷轴用及载带尺寸.如图(一)

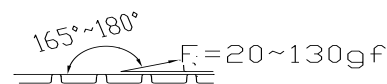
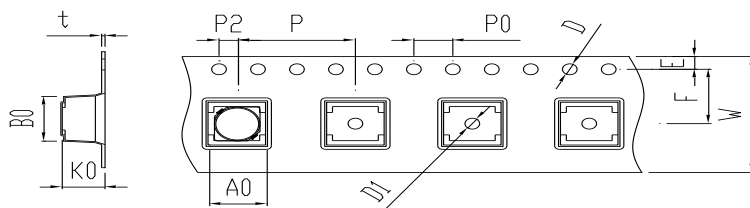
图(一)

1. PACKING QUANTITY PER REEL:500PCS/R(WITH THE BLANK AT THE END OF 30~40 NOT LOADED COIL),AFFIX THE CORRECT LABEL THEN PLASTIC BAG (PLESTIC BAG SIZE :306X460mm),THE ATTACHED A PACKET OF DESICCANT,SEALED AND CONTAINED WITH SCROLL ZONE SIZE , FIGURE,(A)



卷轮尺寸一般公差±0.5mm GENERAL SIZE TOLERANCE SCROLL ±0.5mm

A	B	C	W
Φ 330	Φ 100	Φ 13.5	24.5

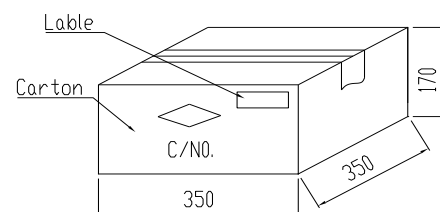


2.每啤盒装 1500PCS(3 卷),(啤盒尺寸:338x338x78mm)

2.BEER PER BOX 1500PCS(3 VOLUMES)(BEER BOX SIZE:338X338X78mm)

3.每箱装 3000PCS(2 盒),封口,贴上标签,纸箱形状尺寸.如图(二).

3.EACH LOADED 3000PCS (2 BOXES).SEAL.LABEL.CARTON SHAPES AND SIZES,IN FIGURE(B)



图(二)FIGURE(B)

样品承认书

八、可靠性测试:

1.STORAGE TEMPERATURE: 贮存温度范围	-40℃~85℃
2.OPERATING TEMPERATURE RANGE : 使用温度范围:	-40℃~+125℃(CONTAIN HEATING COIL) -40℃~+125℃ (含线圈本身发热)
3.EXTERNAL APPEARANCE : 外观	NO EXTERNAL DEFECTS CAN BE FOUND IN THE VISUAL INSPECTION. 在线圈表面无有害物质附着
4. TERMINAL STRENGTH : 电极强度	FIXED INDUCTORS,ONE END OF THE ELECTRODE WITH 0.45KG PULLING FORCE,GUIDED THE NEEDLE DOES NOT FALL OFF.THE PRODUCT-SIDE POLE NO SIGNIFICANT DAMAGE. 固定电感器, 电极一端用 0.45KG 力拉, 产品端极片无明显损伤.
5.INSULATING RESISTANCE : 绝缘电阻	THE INSULATION RESISTANCE SHOULD BE OVER 1000M Ω WHEN D.C.100V IS APPLIED TO THE WINDING -CORE. MEANWHILE NO STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND FOR 1 MINUTE. 在线圈和铁芯上印加 D.C. 100V 绝缘电阻必须超过 1000M Ω , 保持 1min, 没有短路发生。
6. HUMIDITY TEST : 湿度测试	INDUCTANCE DEVIATION IS WITHIN $\pm 10.0\%$ AND NO STRUCTURE AND ELECTRIC DEFECTS CAN BE FOUND AFTER 96 ± 2 hours TEST UNDER THE CONDITIONOF RELATIVE HUMIDITY OF 90~95% AND TEMPERATURE OF 40 $\pm 5^\circ\text{C}$. AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIONS AFTER THE DEVICE IS WIPED WITH DRY CLOTH. 相对湿度为 90~95%, 温度为 40 $\pm 5^\circ\text{C}$ 的条件下放置 96 ± 2 小时。将其擦干在室内环境下放置 1 小时, 电感值变化在初始值 $\pm 10.0\%$ 内, 结构以及电气特性没有发生变化。
7. VIBRATION TEST : 耐振测试	INDUCTANCE DEVIATION IS WITHIN $\pm 10.0\%$ AFTER 1 HOUR SWEEPING VIBRATION IN EACH THREE DIRECTIONS. NAMELY, FREQUENCY IS10~55Hz ANDTHE AMPLITUDE OF 1MINUTE CYCLE IS 1.5mm . 振动周波数 10~55Hz, 振幅 0.75mm 在三个方向各保持一个小时, 电感值变化在初始值 $\pm 10.0\%$ 内

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