



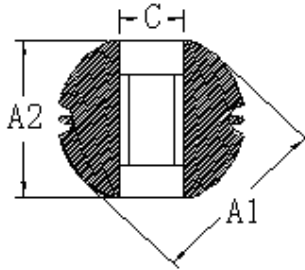
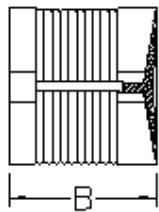
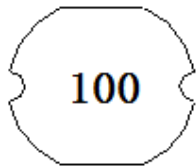
深圳振华富电子有限公司

SHENZHEN ZHENHUA FU ELECTRONICS CO., LTD

SPECIFICATION FOR APPROVAL

SPECIFICATIONS		DATE 日期	2018-05-29
CUSTOMER/客户名		SPEC/规格	SM4532-100M(f)
Q' TY/数量	-	PART NO/料号	-
TEMP /温度	25°C	HUMIDITY/湿度	70%

一、外形尺寸 DIMENSIONS:(mm):

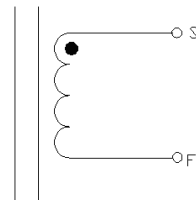


A1(mm)	4.5±0.3
A2(mm)	4.0±0.3
B(mm)	3.2±0.3
C(mm)	1.2REF

二、材料 MATERIAL:

1. 铁芯 CORE
2. 铜线 WIRE
3. 锡 Sn

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)	10 μH±20%	TH2816A	100KHz/0.25V
直流电阻 (DCR)	182(mΩ) MAX	502BC	
额定电流 (Ir)	1.15 (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:

SM 4532 — 100 M (f)
 ① ② ③ ④ ⑤

①系列代号 Product symbol:

②尺寸 Dimmensions:

③电感量 Inductance: 4R7: 4.7 μ H , R47: 0.47 μ H, 100: 10 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)/1.15 (A)
规格 SPEC	10 \pm 20%	182(max)	
1	9.97	97.8	9.78
2	9.87	95.7	9.64
3	9.96	96.3	9.67
4	9.98	97.1	9.91
5	10.1	95.9	9.82
6	10.0	96.3	9.86
7	9.96	98.4	9.69
8	9.99	97.5	9.72
9	9.97	98.2	9.73
10	9.98	98.9	9.81
\bar{X}	9.978	97.21	9.763
R	0.23	3.2	0.27

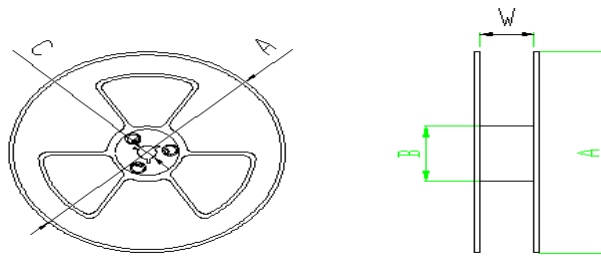
样品承认书

七、.包装方式 PACKAGING:

1.每卷轴包装数量:2000 PCS/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)

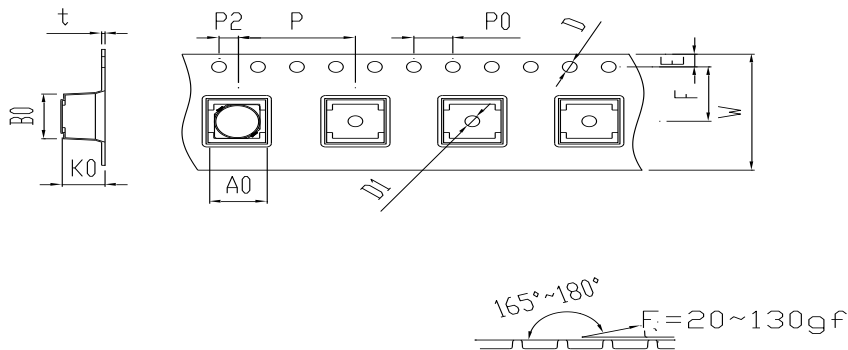
图(一)

1. PACKING QUANTITY PER REEL:2000 PCS/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	12.5

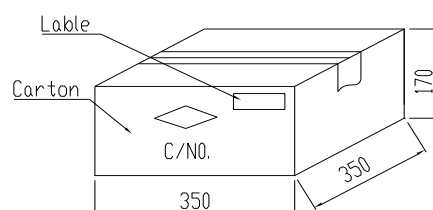


2.每啤盒装 6000PCS(3 卷).(啤盒尺寸:338x338x78mm)

2.BEER PER BOX 6000PCS(3 VOLUMES)(BEER BOX SIZE:338X338X78mm)

3.每箱装 12000PCS(2 盒),封口,贴上标签,纸箱形状尺寸.如图(二).

3.EACH LOADED 12000PCS (2 BOXES).SEAL.LABEL.CARTON SHAPES AND SIZES,IN FIGURE(B)



图(二)

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