



深圳市深广电子科技有限公司

Shenzhen Shenguang Electronic Technology Co., Ltd

深圳市龙华区观澜街道桂花社区观光路 1165 号工厂 401 整层

The entire 401 floor of the factory, No. 1165, Guanguang Road, Guihua Community, Guanlan Street, Longhua District, Shenzhen

客户/Client 惠州市奥嘉达科技有限公司 (Huizhou Aojiada Technology Co., Ltd.)

名称/TYPE 42.5*5.3*0.8, 0.08*80p*11TS+20*0.8, 7.9uH, L=10MM

产品型号

Model NO SG-A1142.5-7.9UH

产品编号 SG-A1142.5-010-001

Enginrer NO TQE 1800510003

日期/Date 2024-7-26

本公司工程部/For Enginer Departner Only	
修改内容/Rvised Content	认可日期/APProved Date

编制/Prepared

XieYanQi

审核/Checked

DuanJiaWang

认可/Approved

XieXiaoZai

客户认可回签/Authorixed Signaturure Company Chop		
工程/ Enginer	认可/QC APProved	认可日期/APProved



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一、 线圈工艺/Winding Procese:

NO	绕组	线规	匝数	绕线方向	备注
1	N1	2UEW-B-0.08*80P	11TS	CCW	
2					

二. 电气性能/FEATURES:

1.测试条件 (Test conditions) : 25°C,65%RH@100KHz/1V

1.1 电感量 (Inductance)

1.11 L0A (单独线圈) =4.6uH±20%

1.12 L0A(线圈+磁片)=7.9uH±10%

1.2 Q 值=35MIN

1.3 直流电阻 (DCR) : 70mΩ MAX

1.4 工作温度(Operating Temperature): -25°C~85°C

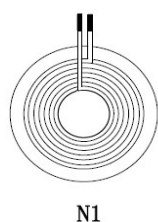
2.测试仪器(Test instrument): L:创达 1068+1310;DCR:502BC;SIZE:Callipers

3.材料清单

NO	Descrption	Material
1	WIRE	φ 0.08*80P 2UEW
2	FERRITE	42.5*5.3*0.8 双槽 20*0.8 铁氧体硬磁 42.5*5.3*0.8 double-slot 20*0.8 ferrite hard magnetic
3	GLUE	白胶/黄胶 White glue/yellow glue
4	SOLDER	XCD-907B
5	Adhesive	双面背胶

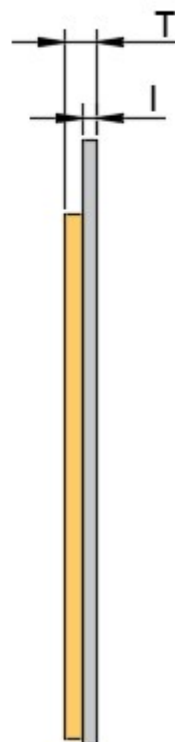
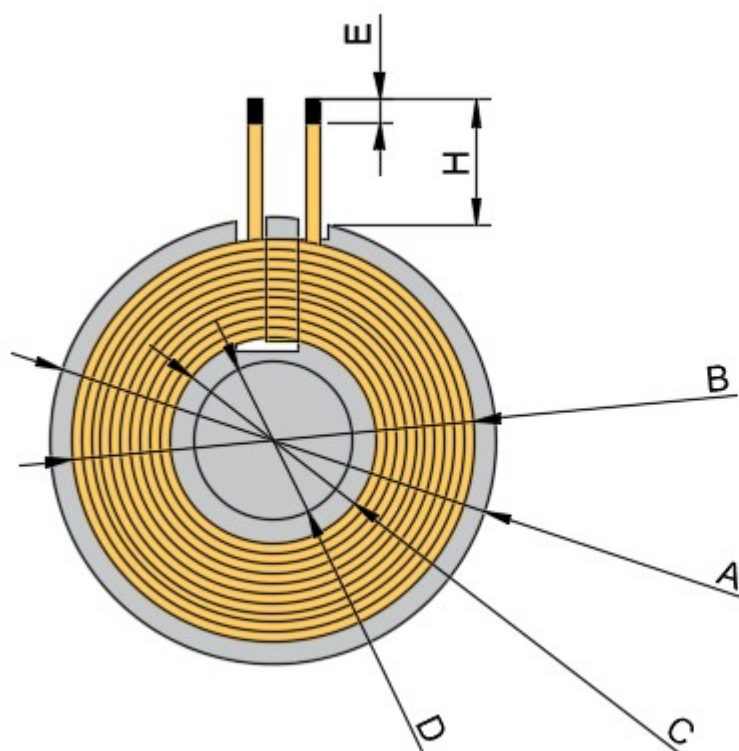
		Double-sided adhesive backing
6	High temperature adhesive	5MM(ref)高温胶带 5MM(ref) high-temperature tape
7		

三. 电路图/CIRCUIT DIAGRAM



Unit: MM

四. 外形图/OUTSIDE DIAGRA



注：线圈出线位置缠绕 5MM (ref) 高温胶纸,

Note: The coil lead-out position is wrapped with 5MM (ref) high-temperature adhesive tape.



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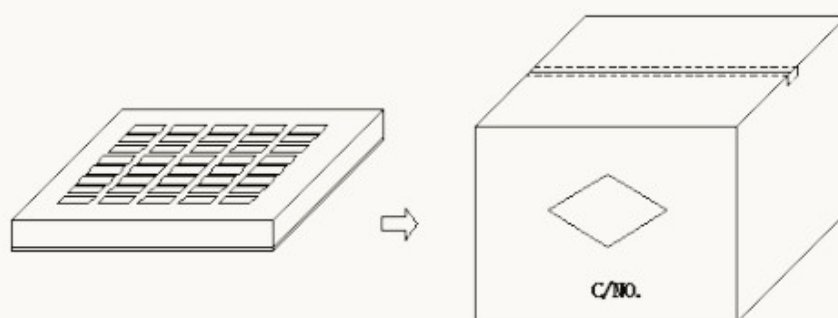
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标准	A	B	C	D	H	E	I	T
STD	42.5±0.5	39±1	20.5±0.5	20±0.3	10±2	2-4	0.8±0.1	2.3Max

Unit: mm

五. 包装/PACKAGE

5.1 包装图片 Packing pictures:



5.2 包装数量及规格 Packing Quantity:

项目 Item	数量 Quantity	材料规格 Material
盒 Box	350 Pcs	345*330*50 mm
箱 Big Carton	1400 Pcs	360*340*280 mm

5.3 包装以现有包装盘为参照标准，以实际出货包装为准，如有特需要求可以定制。

The packaging shall be based on the exusting packing plate and the actual delivery package shall prevail .If there is any requirement,we can customize it.



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六、贮存和使用条件 Storage and Use condition

6.1 贮存条件 Storage condition

6.1.1 建议贮存条件：温度 $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ，湿度 70% (Max.)

Recommended keeping conditions: $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, 70%RH (Max.)

6.1.2 贮存期限：自生产之日起六个月内

Storage life : Within the limits of six months from being produced.

6.2 使用条件 Use condition

使用条件限制：温度 $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ，湿度 $\leq 90\%$

Use condition limit: $T=-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, $\text{RH} \leq 90\%$.