

产品规格承认书

SPECIFICATION APPROVAL

(软磁铁氧体系列产品)

Soft ferrite core

客户产品名称（材料）：
Customer Part Number

东磁产品名称（材料）： H28x16x9 R10K 磁芯
DMEGC Part Number 涂层

内容	
CONTENT	
1、外形和尺寸	SHAPE AND DIMENSIONS
2、电磁和机械特性	ELECTROMAGNETIC AND MECHANICAL PROPERTY
3、材料特性	MATERIAL CHARACTERISTICS
4、外观要求	APPEARANCE REQUIREMENT
5、验收规则	INSPECTION RULES
6、说 明	INSTRUCTION

客户名称： 安徽世睿电子科技有限公司

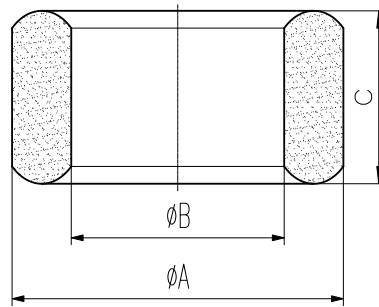
CUSTOMER:

确 认：

APPROVED:

拟 制		审 核	曹火红	批 准	张小杭	日期	2025.1.21
DRAWN	张丽丽	CHECK		APPROVED		DATE	

外形和尺寸 SHAPE AND DIMENSIONS



注： 采用草绿色环氧树脂涂层.

Note: With grass green epoxy coating.

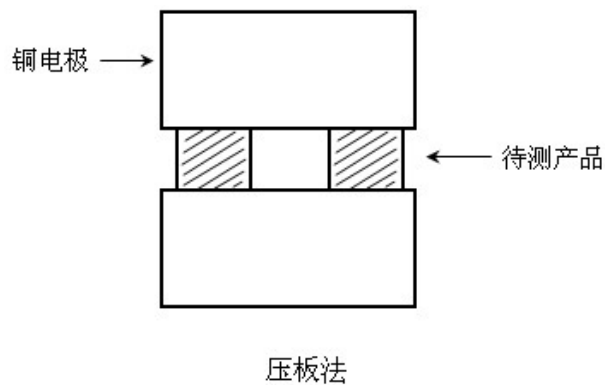
下列所标尺寸为涂层后尺寸:

Following is the specification after grass green coated:

涂前 尺寸	ϕA	ϕB	C	涂后 尺寸	ϕA	ϕB	C
	28.0±0.4	16.0±0.3	9.0±0.3		28.8max	15.3min	9.7max

绝缘耐压需满足 VAC: 1800Vmin, 0.5mA, 10 秒钟不被击穿。

Hipot mesh to mesh at 1800 VAC min.



电磁和机械特性

ELECTROMAGNETIC AND MECHANICAL PROPERTY

项目 Measurement item	数值 Specification	测定条件 Measurement condition
电感因数 AL Inductance Factor	10060nH/N ² ±30%	仪器: HP4284A 或同等其它仪表 Instrument 频率和电压 10kHz, 0.25V Frequency and Voltage 线圈: Φ=Ø0.35mm x10Ts Coil 气隙: GAP 加压: Pressure 温度: 25℃±2℃ Temperature

R10K 材料特性

R10K Material Characteristics

初始磁导率 μ_i Initial Permeability		10000 $\pm$ 30%
比损耗因子 $\tan \delta / \mu_i$ (10KHz) <u>Relative Loss Factor</u>	$\times 10^{-6}$	<7.0
饱和磁通密度 B_s [H=1194A/m] Saturation Magnetic Flux Density	mT	400
剩磁 B_r Remanence	mT	100
矫顽力 H_c Coercive Force	<u>A/m</u>	6.5
比温度系数 a_{μ_r} (20~60℃) Relative Temperature Coefficient	$\frac{\times 10^{-}}{^{\circ}\text{C}}$	-0.5~2.0
比磁滞损耗系数 (η_B) Hysteresis Material Constant 25℃, 10KHz; 1.5~3mT	$\frac{10^{-}}{^{\circ}\text{mT}}$	<1.4
居里温度 T_c Curie temperature	℃	120
电阻率 ρ Resistivity	$\Omega \cdot \text{m}$	0.15
密度 d Density	g/cm^3	4.9

以上数据是根据标准样环 $\phi 25 \times \phi 15 \times 8$ 获得的典型数据, 有关产品的具体性能会在此基础上有所调整。

The above typical data are calculated from the standard toroid core. The performance of specific parts will vary slightly.

外观要求

APPEARANCE REQUIREMENT

1.1 掉块

Chip

1.1.1 掉块面积:

Area of Chip: $\leq 1.0\text{mm}^2$

1.1.2 总掉块面积:

Sum of Chipping Area: $\leq 2.0\text{mm}^2$

1.1.3 掉块深度

Depth of chip : $< 0.5 \text{ mm}$

1.2 裂纹:不应有裸眼(视力 1.5)能够见到的裂纹存在.

Crack: There shall not be any crack which can be detected by naked eye (eyesight level:1.5).

1.3 其他:不应有污物存在.

Other: There shall be no stain.

验收规则

INSPECTION RULE

- 1 产品的验收按 **GB/T2828.1-2012** 规定进行,其检查水平: 外观尺寸 II,电磁性能 S-3, **AQL:0.65**。

Cores inspection is conducted per GB/T2828.1-2012 with visual appearance and dimension II ,electromagnetic property S-3,AQL:0.65.

- 2 客户在接收到磁芯产品后十天内须验收完毕,并将验收结果书面通知供货方否则视为已验收合格。

Customer is expected to complete the inspection within 10 days after receipt of the cores and inform supplier the results of cores inspection in writing or the cores would be treated as qualified.

说明

NOTE

- 1 初次的承认书在客户收到 7 天内, 必须签章返回, 逾期视为默认。

After receiving DMEGC Spec, please sign and send it back to DMEGG within 7 days. Otherwise, it is meant that Spec has been approved by customer side.

- 2 涉及变更的承认书需经双方签章确认, 变更自签章返回时生效。

With regard to part change, in needs both parties' confirmation and signature. Change is valid from receiving the signed Spec.