

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): H31X19X8 R6K 磁芯

DMEGC Part Number 草绿色

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客户名称: 俄罗斯 LEPCOS

CUSTOMER:

确 认:

APPROVED:

拟 制

DRAWN

杨杭芸

审 核

CHECK

张小杭

批 准

APPROVED

王晓涛

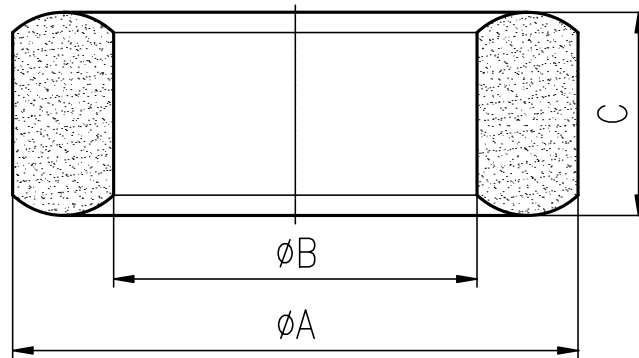
日期

DATE

2019.07.26

外形和尺寸

SHAPE AND DIMENSIONS



外径 A	内径 B	高度 C
31±0.5	19±0.5	8±0.4

注： 采用草绿色环氧树脂涂层.

Note: With grass green epoxy coating.

下列所标尺寸为草绿色涂层后尺寸

Following is the specification after grass green coated

外径 A	内径 B	高度 C
32max	18.1min	8.9max

涂覆材料要求：涂覆草绿色环氧树脂；耐 压 要 求 ：耐压标准≥1500Vac，耐压测试方法：使用平板电极法或“W”电极法，耐压测试条件：漏电流 I=0.5mA，时间 T=10 秒；测 试 仪 器：使用 CH9071A 或同等测试仪器

外观要求

APPEARANCE REQUIREMENT

1 掉块

Chip

掉块面积:

Area of Chip: $\leq 1.5\text{mm}^2$

总掉块面积:

Sum of Chipping Area: $\leq 2.5\text{mm}^2$

掉块深度

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).

3 其他:不应有污物存在.

Other:There shall be no stain.

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 AL Inductance	4690nH/N2 ± 25%	仪器: HP4284A 仪或同等测试仪 器 Instrument 频率和电压 1kHz,0.25V Frequency and Voltage 线圈: $\Phi = \varnothing 0.35\text{mm} \times 10\text{Ts}$; Coil 加压: 1~3kg Pressure 温度: $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ Temperature

R6K 材料特性

R6K Material Characteristics

初始磁导率 μ_i Initial Permeability		6000±25%
比损耗因子 $\tan \delta / \mu_i$ (100kHz) Relative Loss Factor	$\times 10^{-6}$	<30.0
饱和磁通密度 B_s (mT) Saturation flux density 1194A/m	mT	420±25%
剩磁 B_r (mT) Residual flux density	mT	110±25%
矫顽力 H_c (A/m) Coercivity Force	A/m	7.0±25%
<u>比温度系数 $\alpha \mu_r$</u> (20℃~60℃)Relative Temperature Coefficient	$\times 10^{-6}/^\circ\text{C}$	-0.5~2.0
比磁滞损耗系数 (η_B) hysteresis material constant 25℃, 10kHz, 1.5~3mT	$\times 10^{-6}/\text{mT}$	<1.2
居里温度 T_c (℃) Curie temperature	℃	>125
电阻率 ρ ($\Omega \cdot \text{m}$) Resistivity	$\Omega \cdot \text{m}$	0.2
密度 d (g/cm ³) 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.

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 dimensionII,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.