

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): H87X54X17P DMR44 磁芯

DMEGC Part Number

草绿色

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INSTRUCTION

客户名称: 俄罗斯 LEPCOS

CUSTOMER:

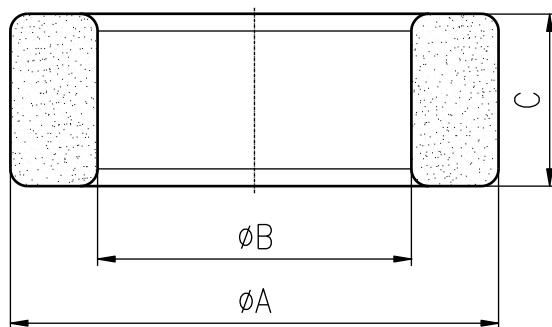
确 认:

APPROVED:

拟制 DRAWN	扬抗芸	审核 CHECK	张小抗	批准 APPROVED	张小抗	日期 DATE	2022.09.16
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外形和尺寸

SHAPE AND DIMENSIONS



注： 采用草绿色环氧树脂涂层.

Note: With green epoxy coating.

下列所标尺寸为涂层后尺寸:

Following is the specification after green coated:

涂前 尺寸	ϕA	ϕB	C	涂后 尺寸	ϕA	ϕB	C
	$87^{+1}_{-1.5}$	54^{+2}_{-1}	$17^{+0.3}_{-0.5}$		89max	52.5min	18.2max

磁芯常数 Core Factor $C1(\text{mm}^{-1})$	有效磁路长度 Effective Length $L_e(\text{mm})$	有效横截面积 Effective Area $A_e(\text{mm}^2)$	有效体积 Effective Volume $V_e(\text{mm}^3)$
0.77	217.26	280.5	60943.5

绝缘耐压需满足 VAC: 2000Vmin, 0.5mA, 10 秒钟不被击穿。

Hipot mesh to mesh at 2000 VAC min. 使用平板电极法或“W”电极法

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 Factor	3894nH/N ² ±25%	仪器: HP4284A 或同等其它仪表 Instrument 频率和电压 1.0kHz, 0.25V Frequency and Voltage 线圈: Φ=Ø0.35mm x10Ts Coil 加压: Pressure 温度: 25°C ±2°C Temperature



DMR44 材料特性

DMR44 Material Characteristics

特性 CHARACTERISTICS	测试条件 CONDITIONS		典型值 VALUE
初始磁导率 μ_i Initial Permeability	10kHz, B<0.25mT	25°C	2400±25%
饱和磁感应强度 B_s (mT) Saturation Magnetic Flux Density	50Hz, 1194A/m	25°C	510
		100°C	400
剩磁 B_r (mT) Residual Magnetic Flux Density		25°C	110
		100°C	60
矫顽力 H_c (A/m) Coercive Force		25°C	15
		100°C	6
功耗 P_v (mW/cm ³) Power Loss	100kHz, 200mT	25°C	600
		60°C	400
		100°C	300
		120°C	380
居里温度 T_c (°C) Curie Temperature	10kHz, B<0.25mT		> 215
电阻率 ρ ($\Omega \cdot m$) Resistivity		25°C	7.5
密度 d (g/cm ³) Density		25°C	4.8

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: $\leq 2.0\text{mm}^2$

1.1.2 总掉块面积:

Sum of Chipping Area: $\leq 4.0\text{mm}^2$

1.1.3 掉块深度

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

1.2 裂纹:不应有肉眼(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.