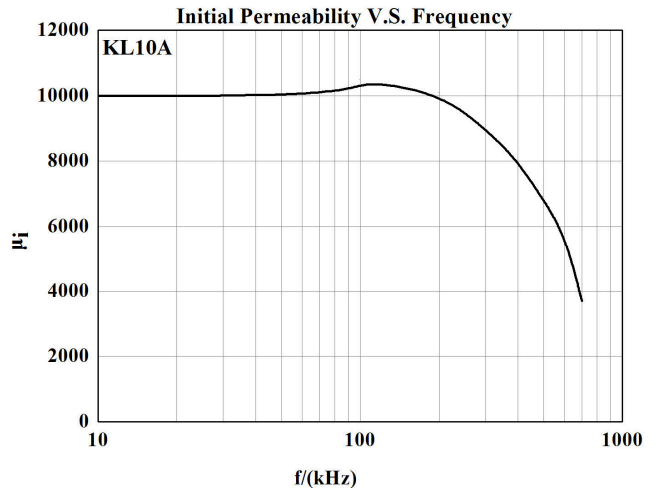
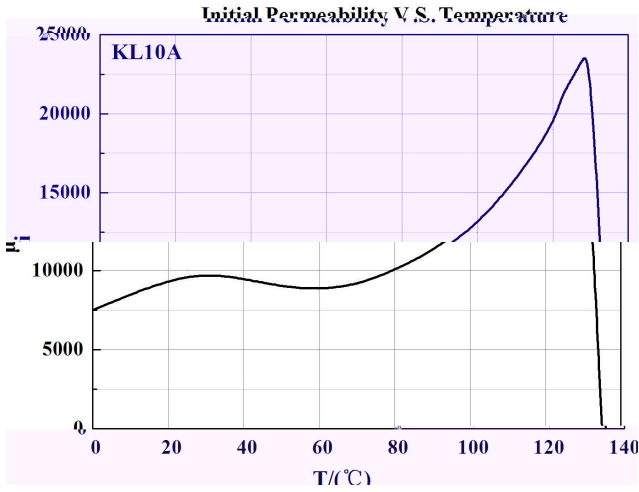


KL10A 材料特性

Material Characteristics

| 特性 Symbol | 单位 Unit | 测试条件 Conditions | | 典型值 Value |
|---|-------------------------|-------------------------------|---------|--------------------------------|
| 初始磁导 μ_i Initial permeability ($\pm 25\%$) | | 10 kHz $B < 0.25\text{mT}$ | 25°C | 10000 |
| 比损耗因子 $\tan\delta/\mu_i$ Relative loss factor | | 10kHz $B < 0.25\text{mT}$ | 25°C | $\leq 2 \times 10^{-6}$ |
| 初始磁导率温度系数 Temperature factor of intial permeability | /°C | | 20~60°C | $-0.5 \sim 1.5 \times 10^{-6}$ |
| 饱和磁通密度 B_s Saturation flux density | mT | 60 Hz 1194 A/m | 25°C | 380 |
| 剩磁 B_r Residual magnetic flux density | mT | | | 120 |
| 矫顽力 H_c Coercive force | A/m | | | 6 |
| 减落因子 DF Disaccom modulation factor | | 10 kHz 1.5~3mT | 25°C | $\leq 2.0 \times 10^{-6}$ |
| 居里温度 T_c Curie temperature | °C | | | 130 |
| 电阻率 Resistivity | $\Omega \cdot \text{m}$ | | 25°C | 0.2 |
| 密度 d Density | kg/m^3 | | 25°C | 4.9×10^3 |



以上数据是根据标准样环 $\phi 25 \times \phi 15 \times 7.5$ 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. Specific performance of the product will be adjusted on this basis