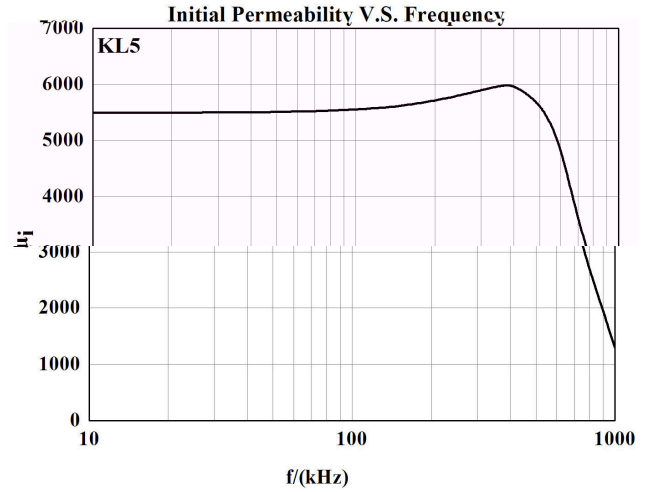
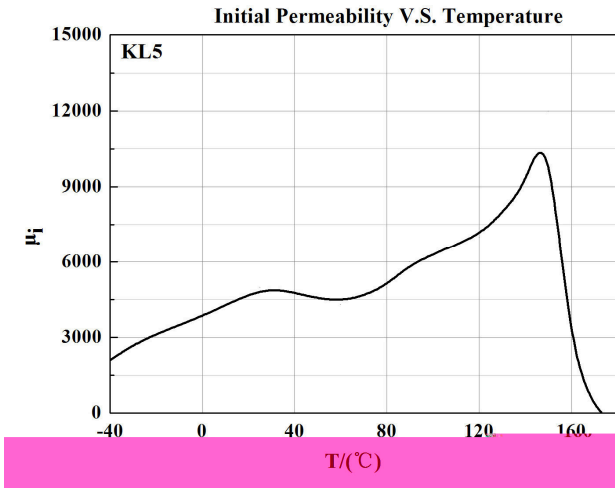


KL5 材料特性

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 ($\pm 25\%$)		10kHz $B < 0.25\text{mT}$	25°C	5500
比损耗因子 $\tan\delta/\mu_i$ Relative loss factor		10kHz $B < 0.25\text{mT}$	25°C	$\leq 6.5 \times 10^{-6}$
初始磁导率温度系数 Temperature factor of initial permeability	/°C		20~60°C	$-0.5 \sim 2.0 \times 10^{-6}$
饱和磁通密度 B_s Saturation flux density	mT	60 Hz 1194A/m	25°C	420
剩磁 B_r Residual magnetic flux density	mT			140
矫顽力 H_c Coercive force	A/m			8
减落因子 DF Disaccommodation factor		10kHz 1.5~3mT	25°C	$\leq 3.0 \times 10^{-6}$
居里温度 T_c Curie temperature	°C			160
电阻率 Resistivity	$\Omega \cdot \text{m}$	25°C		1.0
密度 d Density	kg/m^3	25°C		4.8×10^3



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.