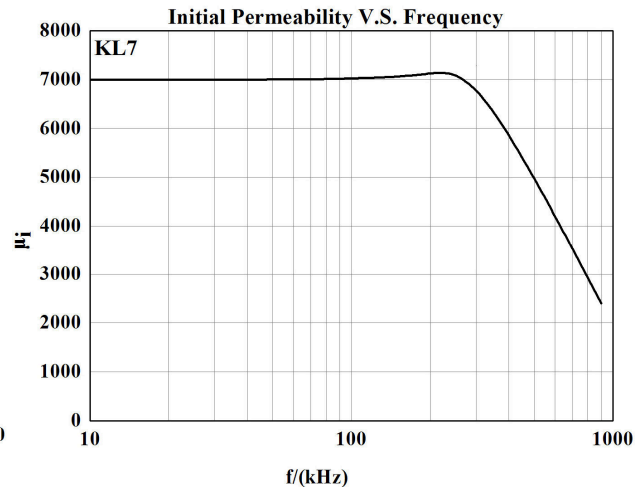
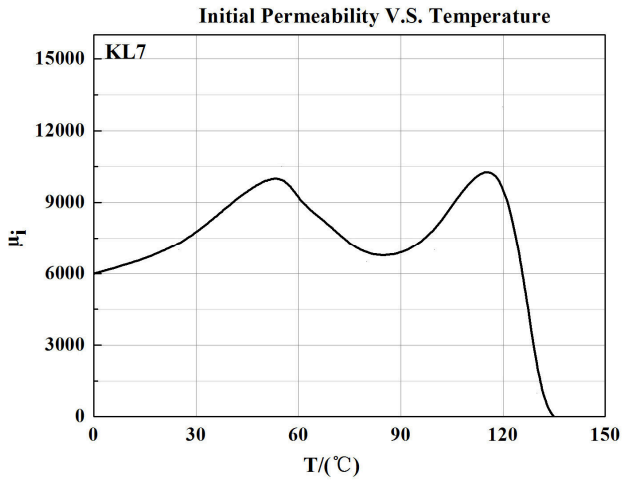


KL7 材料特性

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 $^{\circ}\text{C}$	7000
比损耗因子 $\tan\delta/\mu_i$ Relative loss factor		10 kHz $B < 0.25\text{mT}$	25 $^{\circ}\text{C}$	$\leq 6.5 \times 10^{-6}$
初始磁导率温度系数 Temperature factor of initial permeability	$/^{\circ}\text{C}$		20~60 $^{\circ}\text{C}$	$-0.5 \sim 3.0 \times 10^{-6}$
饱和磁通密度 B_s Saturation flux density	mT			410
剩磁 B_r Residual magnetic flux density	mT	60 Hz 1194 A/m	25 $^{\circ}\text{C}$	135
矫顽力 H_c Coercive force	A/m			7.5
减落因子 DF Disaccommodation factor		10 kHz 1.5~3mT	25 $^{\circ}\text{C}$	$\leq 3.5 \times 10^{-6}$
居里温度 T_c Curie temperature	$^{\circ}\text{C}$			130
电阻率 Resistivity	$\Omega \cdot \text{m}$		25 $^{\circ}\text{C}$	0.15
密度 d Density	kg/m^3		25 $^{\circ}\text{C}$	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.