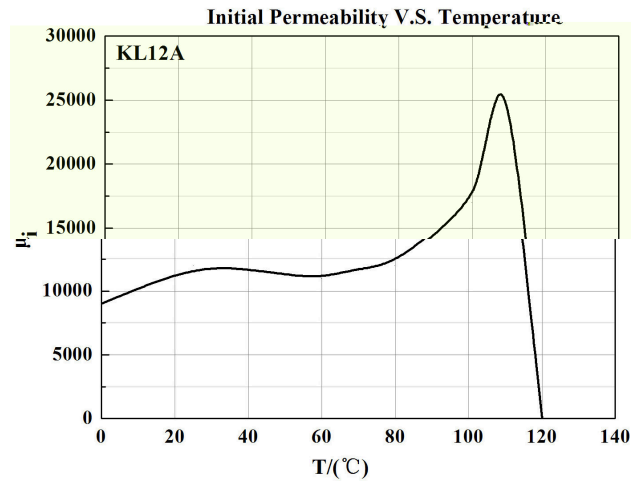
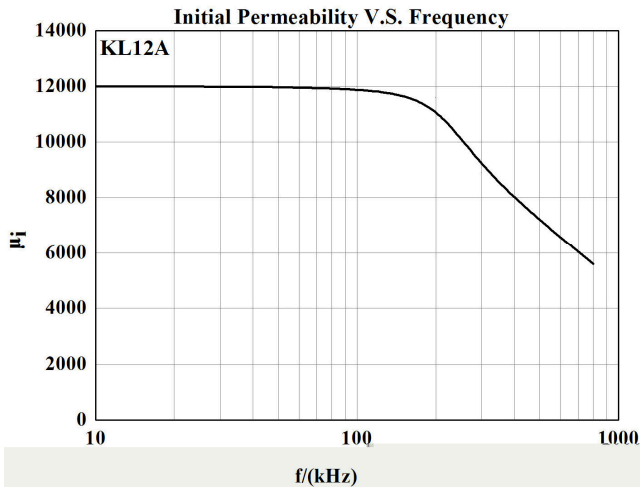




## KL12A 材料特性 Material Characteristics

特性 Symbol	单位 Unit	测试条件 Conditions		典型值 Value
初始磁导 $\mu_i$ Initial permeability ( $\pm 25\%$ )		10kHz $B < 0.25\text{mT}$	25 $^{\circ}\text{C}$	12000
比损耗因子 $\tan\delta/\mu_i$ Relative loss factor		10kHz $B < 0.25\text{mT}$	25 $^{\circ}\text{C}$	$\leq 2.0 \times 10^{-6}$
初始磁导率温度系数 Temperature factor of initial permeability	/ $^{\circ}\text{C}$		20~60 $^{\circ}\text{C}$	$-0.5 \sim 1.5 \times 10^{-6}$
饱和磁通密度 $B_s$ Saturation flux density	mT	60 Hz 1194A/m	25 $^{\circ}\text{C}$	380
剩磁 $B_r$ Residual magnetic flux density	mT			80
矫顽力 $H_c$ Coercive force	A/m			5.0
减落因子 DF Disaccommodation factor		10kHz 1.5~3mT	25 $^{\circ}\text{C}$	$\leq 2.0 \times 10^{-6}$
居里温度 $T_c$ Curie temperature	$^{\circ}\text{C}$			110
电阻率 Resistivity	$\Omega \cdot \text{m}$	25 $^{\circ}\text{C}$		0.2
密度 $d$ Density	$\text{kg/m}^3$	25 $^{\circ}\text{C}$		$4.9 \times 10^3$



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.