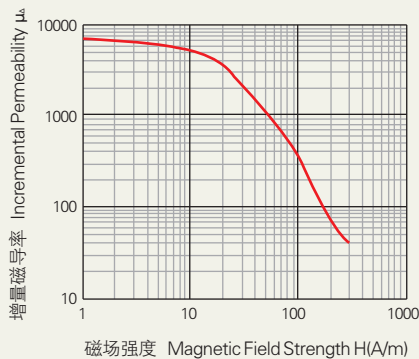
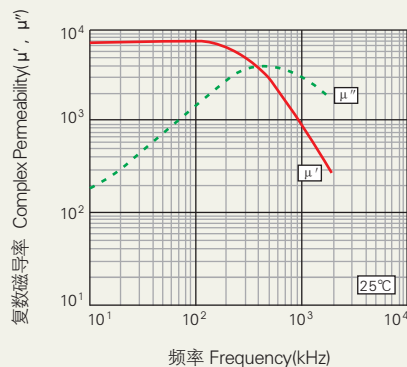
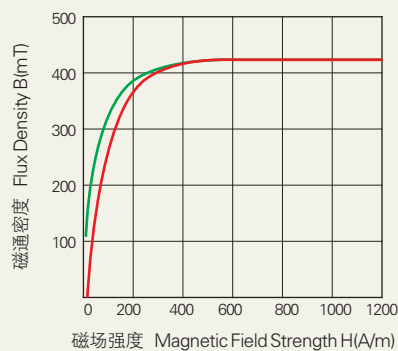
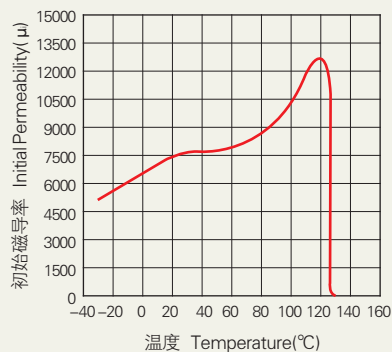


## R7K材料特性 · R7K Material Characteristics

特性 SYMBOL	测试条件 CONDITIONS		典型值 VALUE
初始磁导率 $\mu_i$ Initial permeability	10kHz, B<0.25mT	25°C	7000 ± 25%
比损耗因子 $\tan \delta / \mu_i$ Relative loss factor	100kHz, B<0.25mT	25°C	< 30 × 10 <sup>-6</sup>
饱和磁通密度 $B_s$ (mT) Saturation flux density	50Hz, 1194A/m	25°C	420
剩磁 $B_r$ (mT) Residual flux density		25°C	110
矫顽力 $H_c$ (A/m) Coercive force		25°C	7
比温度系数 $\alpha \mu_r$ (1/°C) Relative temperature coefficient		20°C ~ 60°C	-0.5 ~ 2.0 × 10 <sup>-6</sup>
磁滞常数 $\eta_B$ (/mT) Hysteresis material constant	10kHz, 1.5~3mT	25°C	< 1.2 × 10 <sup>-6</sup>
居里温度 $T_c$ (°C) Curie temperature			> 125
电阻率 $\rho$ ( $\Omega \cdot m$ ) Resistivity			0.2
密度 $d$ (g/cm <sup>3</sup> ) Density			4.9



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. Specific performance of the product will be adjusted on this basis.