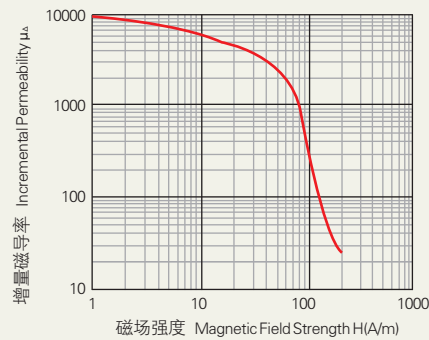
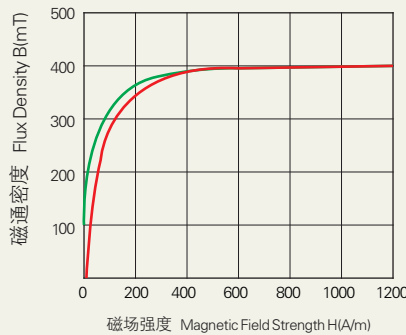
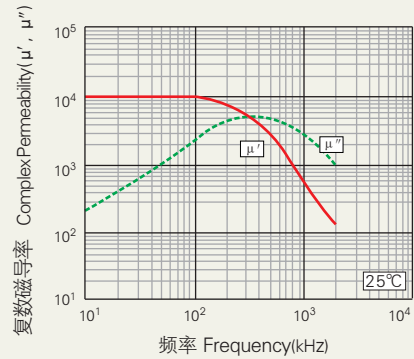
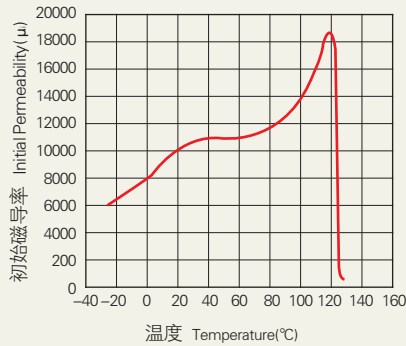


R10K材料特性 · R10K Material Characteristics

| 特性 SYMBOL | 测试条件 CONDITIONS | | 典型值 VALUE |
|---|--------------------|-------------|--------------------------------|
| 初始磁导率 μ_i Initial permeability | 10kHz, B<0.25mT | 25°C | 10000 ± 30% |
| 比损耗因子 $\tan \delta / \mu_i$ Relative loss factor | 10kHz, B<0.25mT | 25°C | $< 7.0 \times 10^{-6}$ |
| 饱和磁通密度 B_s (mT) Saturation flux density | 50Hz, 1194A/m | 25°C | 400 |
| 剩磁 B_r (mT) Residual flux density | | 25°C | 100 |
| 矫顽力 H_c (A/m) Coercive force | | 25°C | 6.5 |
| 比温度系数 $\alpha \mu_r$ (1/°C) Relative temperature coefficient | | 20°C ~ 60°C | $-0.5 \sim 2.0 \times 10^{-6}$ |
| 磁滞常数 η_B (/mT) Hysteresis material constant | 10kHz, 1.5~3mT | 25°C | $< 1.4 \times 10^{-6}$ |
| 居里温度 T_c (°C) Curie temperature | | | > 120 |
| 电阻率 ρ ($\Omega \cdot m$) Resistivity | | | 0.15 |
| 密度 d (g/cm^3) 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能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.