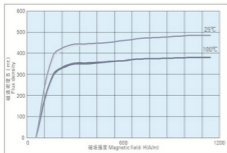
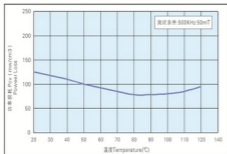
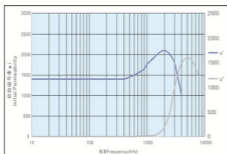
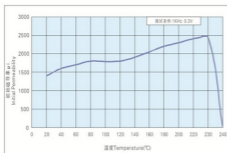


JF50 材料特性 JF50 Material Characteristics

材料特点

主要应用于高频率 (500KHz-1MHz)
 mostly used at high frequency (between 500KHz and 1MHz)
 低的磁芯损耗
 low core loss
 磁芯损耗的最低温度点约在90℃
 the temperature point of the lowest core loss is 90℃

| 特性 Characteristics | 单位 | JF50 | |
|---|-------------------|-------------------|------------------------------|
| 初始磁导率 μ_i Initial Permeability | | 1400 \pm 25% | |
| 振幅磁导率 μ_a Amplitude Permeability | | 2000min | |
| 饱和磁通密度 B_s Saturation magnetic density | 25℃ | 480 | |
| | 100℃ | 380 (1194A/m) | |
| 剩磁 B_r Remanence | 25℃ | 150 | |
| | 100℃ | 100 | |
| 矫顽力 Coercivity | 25℃ | 35 | |
| | | 25 | |
| 功率损耗 P_{cv} (500Kz 50mT) Power Loss | 25℃ | KW/m ³ | 130 |
| | 80℃ | KW/m ³ | |
| | 100℃ | KW/m ³ | 80 |
| | 120℃ | KW/m ³ | |
| 电阻率 ρ Electrical resistivity | | $\Omega \cdot m$ | 30 |
| 居里温度 T_c Curie temperature | ℃ | | > 230 |
| 密度 d Density | kg/m ³ | | 4.8 \times 10 ³ |

