

NH9 材料特性

NH9 Material Characteristics

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|---|----------|--------------|---------------|
| 初始磁导率 μ_i initial permeability μ_i | 3300±25% | | |
| 饱和磁通密度 B_s (mT) Saturation flux density 1194A/m | 25℃ | 530 | |
| | 100℃ | 410 | |
| 剩磁 B_r (mT) Residual flux density | 25℃ | 85 | |
| | 100℃ | 60 | |
| 矫顽力 H_c (A/m) Coercivity | 25℃ | 9.5 | |
| | 100℃ | 6.5 | |
| 功率损耗 P_v mw/cm ³ Power Loss | | 25kHz, 200mT | 100kHz, 200mT |
| | 23℃ | - | 350 |
| | 100℃ | - | 290 |
| | 120℃ | - | 350 |
| 居里温度 T_c (℃) Curie temp. | >220℃ | | |
| 电阻率 ρ ($\Omega \cdot m$) Resistivity | 6 | | |
| 密度 d (g/cm ³) Density | 4.8 | | |

以上数据是根据标准样环 $\Phi 25 \times \Phi 15 \times 8$ 获得典型数据，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. The specific property of any parts will be adjusted a little based on these.

NH9 材质曲线

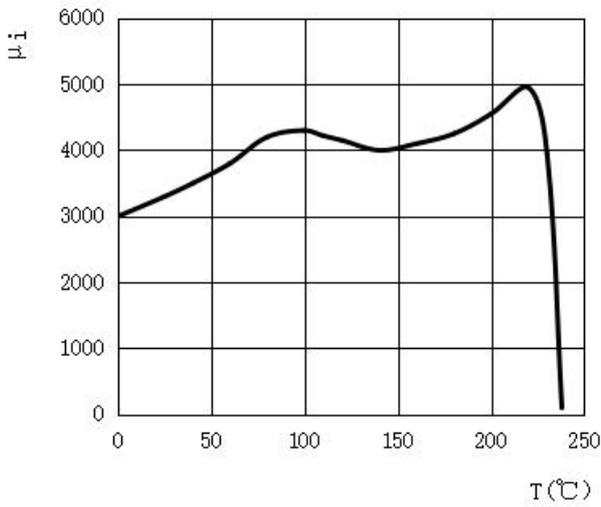


Fig1 Permeability vs. Temperature

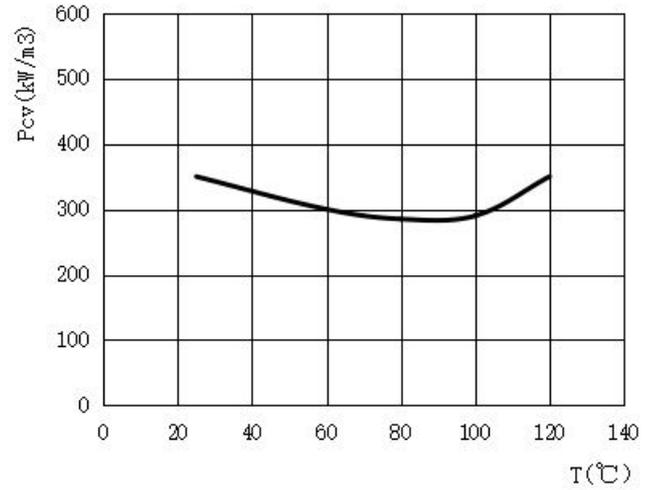


Fig.2 Power Loss(100kHz, 200mT) vs. Temperature

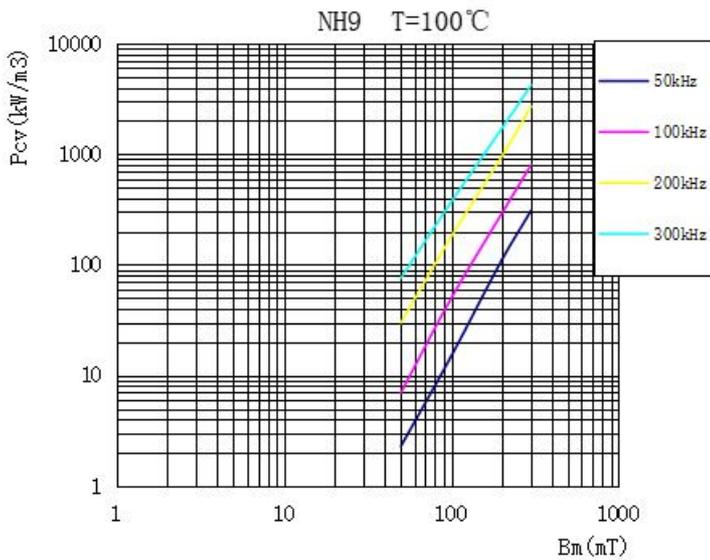


Fig.3 Power Loss vs. Flux Density

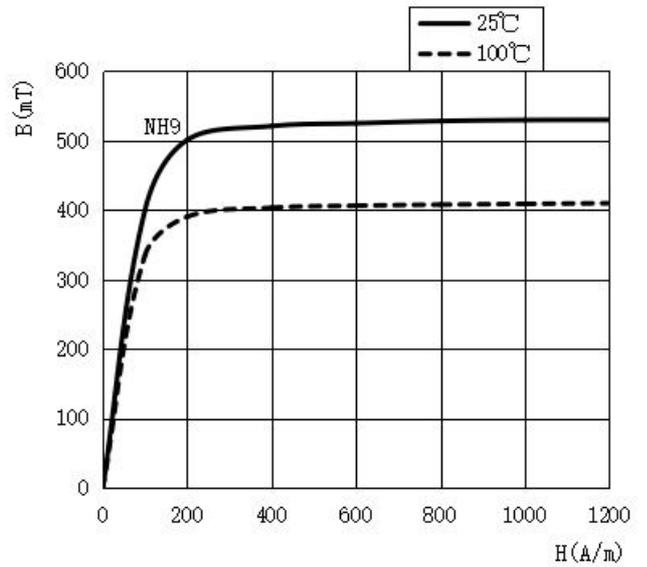


Fig.4 Magnetization Curves