

MnZn 高磁导率铁氧体材料特性

MnZn High Permeability Ferrite Material Characteristics

| 特性 | 单位 | | SL5 | SL7 | SL10 | SL13 |
|--|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Characteristics | Unit | | | | | |
| 初始磁导率 μ_i (10KHZ) | 25℃ | | 5500±30% | 7500±30% | 10000±30% | 13000±30% |
| Initial Permeability | H<0.08A/m | | | | | |
| 初始磁导率比温度系数 α_{μ} | 20~6℃ | 10 ⁻⁶ /℃ | -0.5~2.0 | -0.5~2.0 | -0.5~2.0 | -0.5~3.0 |
| Relative temperature coefficient of initial permeability | | | | | | |
| 比损耗因子 $\tan\delta/\mu_i$ | 100KHZ | ×10 ⁻⁶ | <10 | <20 | <30 | <7.0 (10KHZ) |
| Relative loss factor | | | | | | |
| 减落因子 D_F | 1to10 Minutes | ×10 ⁻⁶ | <3.0 | <2.5 | <2.0 | <2.0 |
| Disaccommodation factor | | | | | | |
| 饱和磁通密度 B_s | H=1194A/m | | | | | |
| Saturation magnetic flux density | 25℃ | mT | 410 | 410 | 380 | 360 |
| 剩磁 B_r | 25℃ | mT | 70 | 80 | 120 | 100 |
| Remanence | | | | | | |
| 矫顽力 H_c | 25℃ | A/m | 6 | 6 | 6 | 4.4 |
| Coercivity | | | | | | |
| 电阻率 ρ | | Ω·m | 1 | 0.3 | 0.2 | 0.15 |
| Electrical resistivity | | | | | | |
| 居里温度 T_c | | ℃ | ≥150 | ≥125 | ≥125 | ≥115 |
| Curie temperature | | | | | | |
| 密度 d | | Kg/m ³ | 4.8×10 ³ | 4.8×10 ³ | 4.8×10 ³ | 4.8×10 ³ |
| Density | | | | | | |

注：各表格所列之值均为典型值，不包括客户的特殊要求；有特殊要求时，应在订货合同或协议中给予明确。