

MnZn High Permeability Ferrite Material Characteristics

| Characteristics \ Materials | Unit | F5 | F7 | F10 | F13 | F15 |
|---|-----------------------|----------------------|----------------------|----------------------|--------------------|----------------------|
| Initial Permeability μ_i | | 5000 \pm 30% | 7000 \pm 30% | 10000 \pm 30% | 13000 \pm 30% | 15000 \pm 30% |
| Relative temperature of initial permeability Coefficient μ_{ir} | 10 ⁻⁶ / | -0.5~2.0 (20~60) | -0.5~2.0 (20~60) | -0.5~1.5 (20~60) | -0.5~3 (20~60) | -0.5~2.0 (20~60) |
| Relative loss factor $\tan \delta / \mu_i(10\text{kHz})$ | 10 ⁻⁶ / | <6.5 | <6.5 | <7.0 | <7.0 | <7.0 |
| Disaccommodation factor D_F (1 to 10 minutes) | $\times 10^{-6}$ | <3.0 | <2.5 | <2.0 | <2.0 | <2.0 |
| Saturation magnetic flux density 25 Bs (H=1194A/M) | mT | 420 | 420 | 400 | 360 | 360 |
| Remanence 25 Br | mT | 140 | 100 | 90 | 100 | 100 |
| Coercivity H_{c25iae} | A/m | 8 | 7.5 | 7.2 | 4.4 | 4.4 |
| Electrical resistivity ρ | $\Omega\cdot\text{m}$ | 1 | 0.3 | 0.15 | 0.15 | 0.15 |

MnZn high permeability material,initial permeability,high permeability core

| | | | | | | |
|----------------------|-------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| Curie temperature Tc | | 130 | 120 | 120 | 110 | 105 |
| Density d | kg/m ³ | 4.8×10 ³ | 4.9×10 ³ | 4.9×10 ³ | 4.95×10 ³ | 4.95×10 ³ |

Notes:The values in each column are typical ones,no including special requirements of customers, it should be emphasized in contract if having special requirement.

MnZn High Permeability Ferrite Material Characteristics

| Characteristics \ Materials | Unit | FS5 | FS7 | FS10 | FG | FW |
|---|--------------------|----------------------|-----------------------------|----------------------|---------------------------|--------------------------------|
| Initial Permeability μ_i | | 5500 ± 30% | 7500± 30% 2000min,500KHz | 10000 ± 30% | 5000 ± 30% | 25 12000± 30% -20 ,≥9000 |
| Relative temperature of initial permeability Coefficient μ_{ir} | 10 ⁻⁶ / | -0.5~2.0 (20~60) | -0.5~2.0 (20~60) | -0.5~2.0 (20~60) | -0~2.0 ±25% 20~70 ±25% | |
| Relative loss factor $\tan \delta / \mu_i$ (10kHz) | 10 ⁻⁶ / | 10 (100kHz) | 30 (100kHz) | 30 (100kHz) | <3.5 (10kHz) | <8.0 (10kHz) |
| Disaccommodation factor D 1 to 10 minutes F | ×10 ⁻⁶ | <3.0 | <2.5 | <2.0 | <2.0 | <2.0 |
| Saturation magnetic flux density 25 Bs (H=1194A/M) | mT | 410 | 410 | 380 | 400 | 380 |
| Remanence 25 Br | mT | 70 | 80 | 120 | 65 | 100 |
| Coercivity Hc25iae | A/m | 8 | 7.5 | 7.2 | 4.4 | 4.4 |
| Electrical resistivity ρ | Ω -m | 1 | 0.3 | 0.15 | 0.15 | 0.15 |
| Curie temperature Tc | | 130 | 120 | 120 | 110 | 105 |
| Density d | kg/m ³ | 4.8×10 ³ | 4.9×10 ³ | 4.9×10 ³ | 4.95×10 ³ | 4.95×10 ³ |

Notes:The values in each column are typical ones, no including special requirements of customers, it should be emphasized in contract if having special requirement.