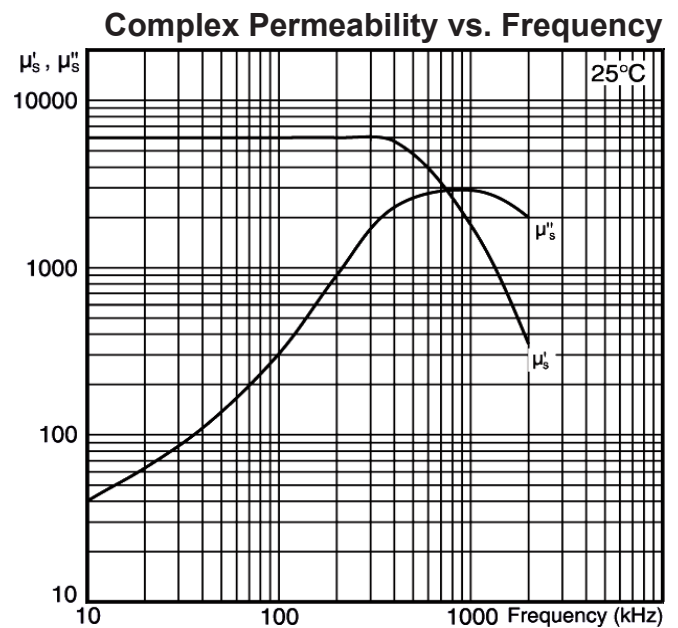
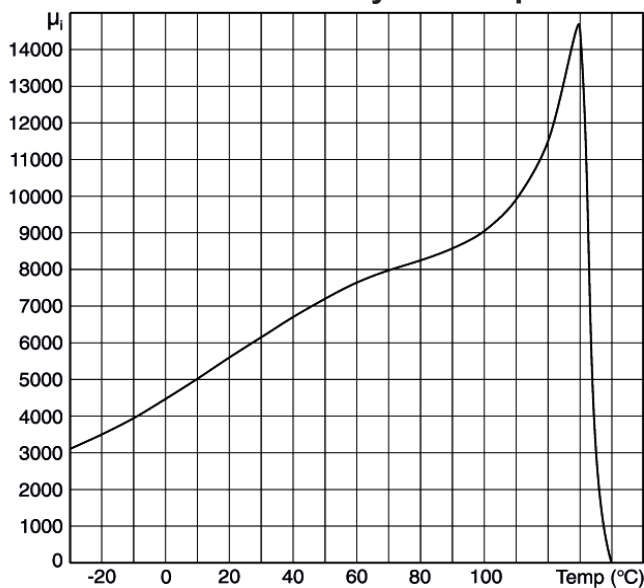


| Parameter | Symbol | Standard Conditions of test | Unit | F10 |
|------------------------------------|---|---|--------------------------|----------------------|
| Initial Permeability (nominal) | μ_i | B<0.1mT 10kHz 25°C | - | 6000 \pm 20% |
| Saturation Flux Density (typical) | B_{sat} | H=796 A/m = 10Oe 25°C | mT | 380 |
| Remanent Flux Density (typical) | B_r | H→0 (from near Saturation) 10kHz 25°C | mT | 200 |
| Coercivity (typical) | H_c | B→0 (from near Saturation) 10kHz 25°C | A/m | 16 |
| Loss Factor (maximum) | $\frac{\tan \delta_{(r+\epsilon)}}{\mu_i}$ | B<0.1mT 100kHz 25°C | 10^{-6} | - |
| Temperature Factor | $\frac{\Delta \mu}{\mu_i^2 \cdot \Delta T}$ | +25°C to +55°C B<0.1mT 10kHz | $10^{-6}/^\circ\text{C}$ | -1 to +2 |
| Curie Temperature (minimum) | Θ_c | B<0.1mT 10kHz | °C | 130 |
| Hysteresis Material Constant (max) | η_B | B from 1.5 to 3mT 10kHz 25°C | $10^{-6}/\text{mT}$ | 1.4 |

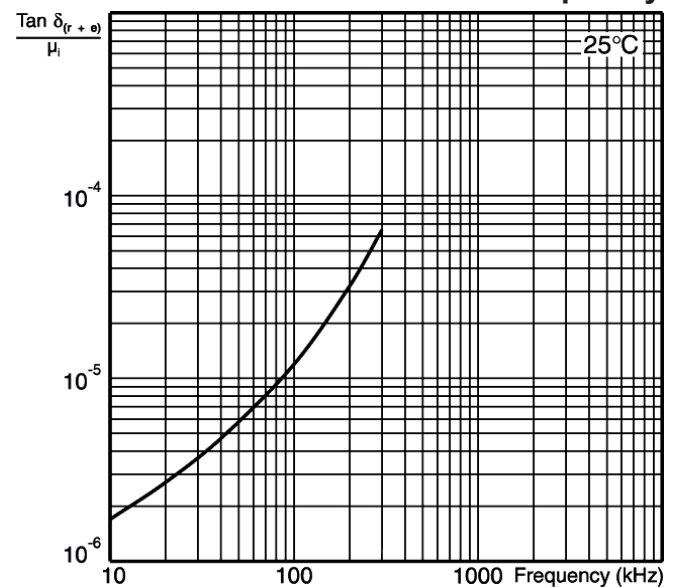
Material type: Manganese-Zinc Ferrite
Properties: High permeability
Frequency range: Depends on application
Typical applications: Wideband, pulse transformers and filter applications
Typical core shapes: Ring, E, EP, RM and pot cores



Initial Permeability vs. Temperature



Relative Loss Factor vs. Frequency



Dynamic Magnetisation: Typical B-H Loops

