

Material Type: Manganese-Zinc Ferrite

Properties: High permeability
 Good saturation flux density
 Optimized impedance from 1 to 20 MHz

Frequency Range: DC to 500 kHz (subject to application)

Typical Application: Filters, pulse and wideband transformers

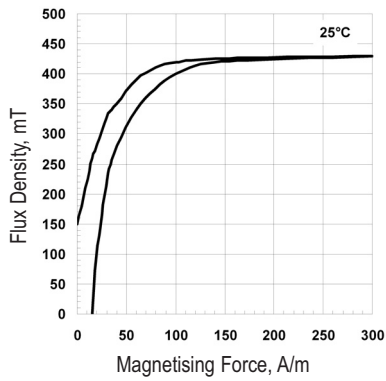
Standard Geometries: Toroids, baluns, EP, RM and pot cores
 Additional shapes are available upon request



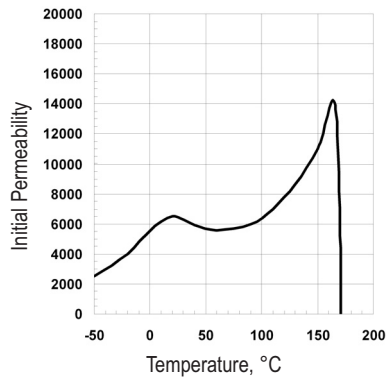
Parameter	Symbol	Standard Test Conditions			Unit	Value
Initial Permeability <i>(nominal)</i>	μ_i	$B < 0.1 \text{ mT}$	$f = 10 \text{ kHz}$	$T = 25^\circ\text{C}$	-	6000
Saturation Flux Density <i>(typical)</i>	B_s	$H = 1200 \text{ A/m (15 Oe)}$		$T = 25^\circ\text{C}$	mT	430
Remanent Flux Density <i>(typical)</i>	B_r	$H \sim 0 \text{ A/m (from near saturation)}$ $f = 10 \text{ kHz}$		$T = 25^\circ\text{C}$	mT	150
Coercivity <i>(typical)</i>	H_c	$B \sim 0 \text{ mT (from near saturation)}$ $f = 10 \text{ kHz}$		$T = 25^\circ\text{C}$	A/m	15
Loss Factor <i>(maximum)</i>	$\frac{\tan \delta}{\mu_i}$	$B < 0.1 \text{ mT}$	$f = 2 \text{ MHz}$	$T = 25^\circ\text{C}$	10^{-6}	25
Curie Temperature <i>(minimum)</i>	T_c	$B < 0.1 \text{ mT}$	$f = 10 \text{ kHz}$		$^\circ\text{C}$	140
Resistivity <i>(typical)</i>	ρ	$E = 1 \text{ V/cm}$		$T = 25^\circ\text{C}$	$\Omega \cdot \text{cm}$	20

* Data was derived from measurements made on a standard test toroid core with an outside diameter of 30 mm

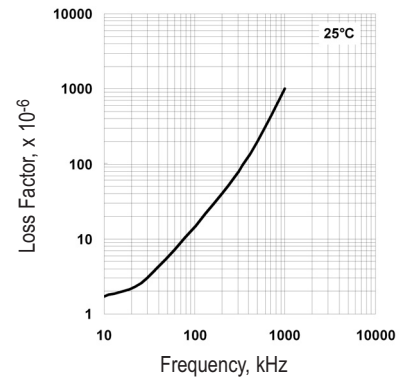
Dynamic Magnetisation Curve



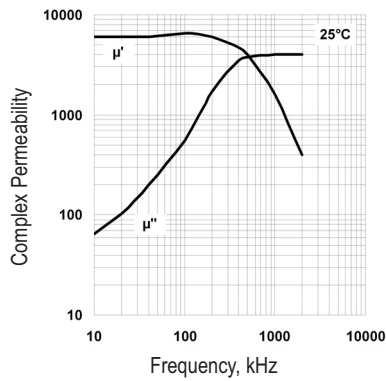
Permeability vs Temperature



Loss Factor vs Frequency



Permeability vs Frequency



Impedance vs Frequency

