

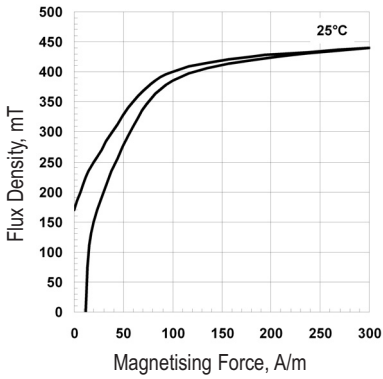
Material Type:	Manganese-Zinc Ferrite
Properties:	High permeability High saturation flux density Good performance with frequency
Frequency Range:	DC to 1 MHz (subject to application)
Typical Application:	Wideband and pulse transformers, filters and common mode chokes
Standard Geometries:	Toroids, baluns, E, RM and pot cores Additional shapes are available upon request



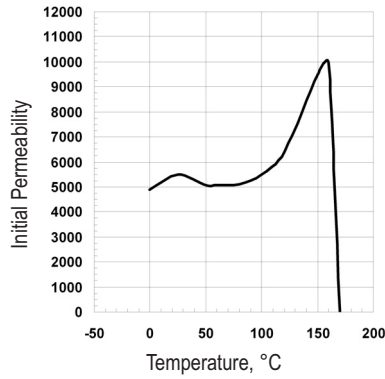
Parameter	Symbol	Standard Test Conditions			Unit	Value		
Initial Permeability (nominal)	μ_i	$B < 0.1 \text{ mT}$	$f = 10 \text{ kHz}$	$T = 25^\circ\text{C}$	-	5000		
Saturation Flux Density (typical)	B_s	$H = 796 \text{ A/m (10 Oe)}$			$T = 25^\circ\text{C}$	mT	460	
Remanent Flux Density (typical)	B_r	$H \sim 0 \text{ A/m (from near saturation)}$			$f = 10 \text{ kHz}$	$T = 25^\circ\text{C}$	mT	170
Coercivity (typical)	H_c	$B \sim 0 \text{ mT (from near saturation)}$			$f = 10 \text{ kHz}$	$T = 25^\circ\text{C}$	A/m	13
Loss Factor (maximum)	$\frac{\tan \delta}{\mu_i}$	$B < 0.1 \text{ mT}$	$f = 100 \text{ kHz}$	$T = 25^\circ\text{C}$	10^{-6}	20		
Curie Temperature (minimum)	T_c	$B < 0.1 \text{ mT}$	$f = 10 \text{ kHz}$		$^\circ\text{C}$	160		
Resistivity (typical)	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

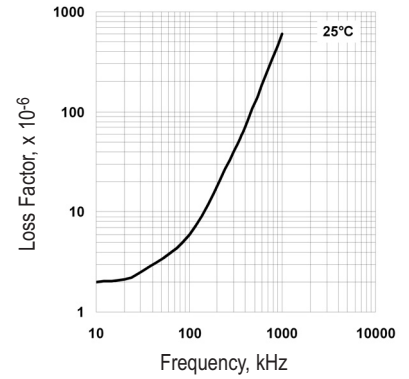
Dynamic Magnetisation Curve



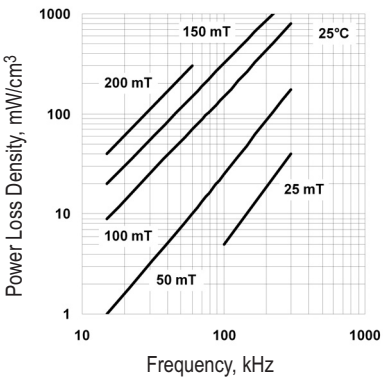
Permeability vs Temperature



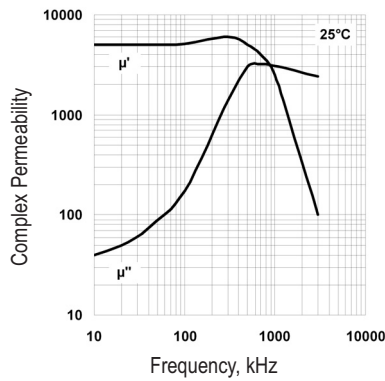
Loss Factor vs Frequency



Power Loss vs Frequency



Permeability vs Frequency



Impedance vs Frequency

