

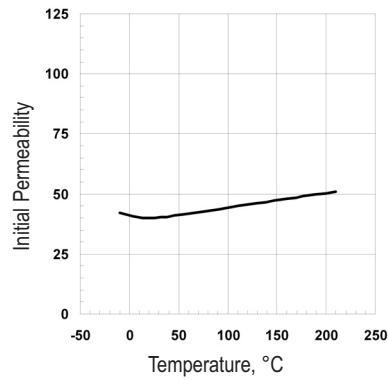
Material Type:	Nickel-Zinc Ferrite
Properties:	Very high Q at high frequency Perminvar ferrite Good stability of inductance
Frequency Range:	1 to 40 MHz (subject to application)
Typical Application:	Antenna, filters and RF frequency tuned circuits
Standard Geometries:	Toroids, baluns and rods Additional shapes are available upon request



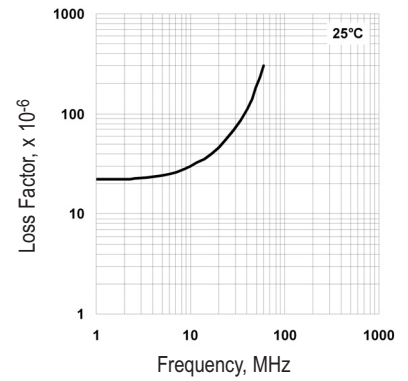
Parameter	Symbol	Standard Test Conditions			Unit	Value	
Initial Permeability (nominal)	μ_i	$B < 0.1 \text{ mT}$	$f = 10 \text{ kHz}$	$T = 25^\circ\text{C}$	-	40	
Saturation Flux Density (typical)	B_s	$H = 4000 \text{ A/m (50 Oe)}$			$T = 25^\circ\text{C}$	mT	240
Remanent Flux Density (typical)	B_r	$H \sim 0 \text{ A/m (from near saturation)}$			$T = 25^\circ\text{C}$	mT	135
Coercivity (typical)	H_c	$B \sim 0 \text{ mT (from near saturation)}$			$T = 25^\circ\text{C}$	A/m	1200
Loss Factor (maximum)	$\frac{\tan \delta}{\mu_i}$	$B < 0.1 \text{ mT}$	$f = 40 \text{ MHz}$	$T = 25^\circ\text{C}$	10^{-6}	75	
Curie Temperature (minimum)	T_c	$B < 0.1 \text{ mT}$	$f = 10 \text{ kHz}$		$^\circ\text{C}$	300	
Resistivity (typical)	ρ	$E = 1 \text{ V/cm}$			$T = 25^\circ\text{C}$	$\Omega \cdot \text{cm}$	1×10^6

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

Permeability vs Temperature



Loss Factor vs Frequency



Permeability vs Frequency

