

Parameter	Symbol	Standard Conditions of test		Unit	F25
Initial Permeability (nominal)	μ_i	B<0.1mT 10kHz	25°C	-	50 ± 20%
Loss Factor (maximum)	$\frac{\tan \delta_{(r+e)}}{\mu_i}$	B<0.10mT	1MHz	10 ⁻⁶	50
			2MHz		50
			3MHz		55
			5MHz		65
			10MHz		75
			15MHz		100
			20MHz		125
40MHz	300				
Curie Temperature (minimum)	θ_c	B<0.1mT	10kHz	°C	450
Temperature factor	$\frac{\Delta \mu}{\mu_i^2 \cdot \Delta T}$	+25°C to +55°C B<0.1mT	10kHz	°C	10 to 15
Resistivity (typical)	ρ		1 V/cm 25°C	ohm-cm	10 ⁵

Material type: Nickel-Zinc Ferrite

Properties: - Permivar*
- Very high Q at high frequency

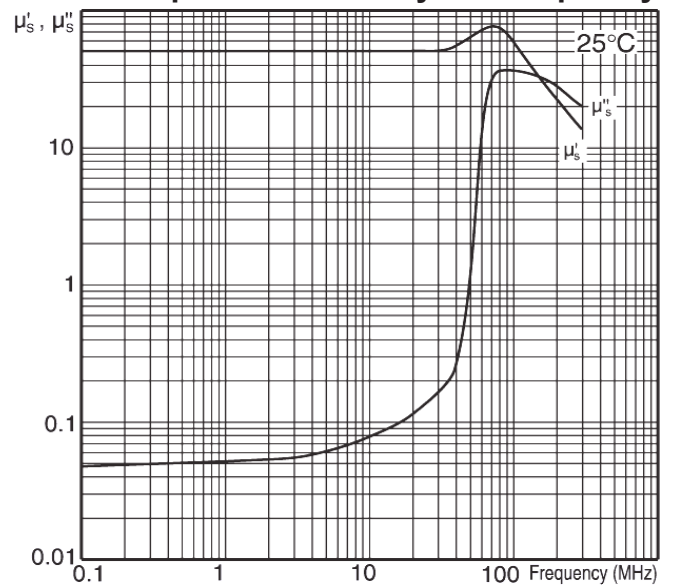
Frequency range: 1MHz + depending on material grade

Typical applications: Aerial rods and high frequency tuned circuits

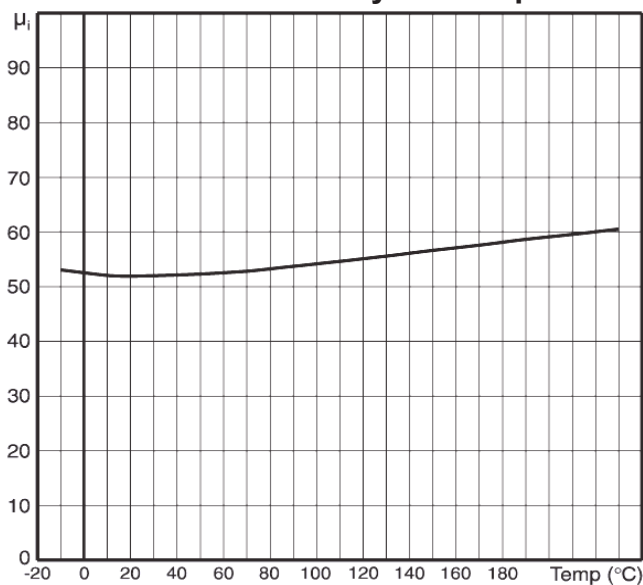
Typical core shapes: Rods and slabs

*Permivar ferrites undergo irreversible changes when subject to magnetic fields or mechanical shock

Complex Permeability vs. Frequency



Initial Permeability vs. Temperature



Relative Loss Factor vs. Frequency

