

F25 F28 F29 Special Grades

Material Specifications

Material Type: Nickel-Zinc Ferrite

Properties: *Perminvar
*Very high Q at high frequency

Frequency range: 1MHz + depending on material grade

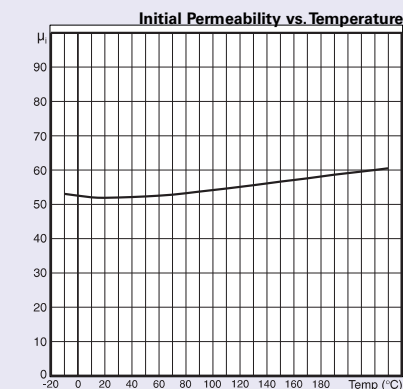
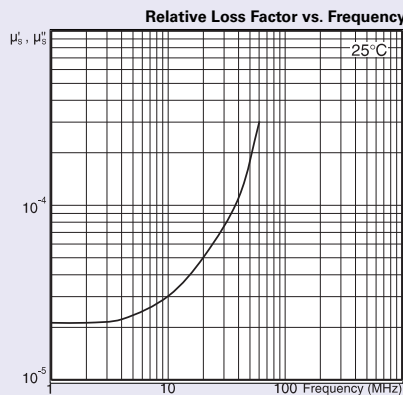
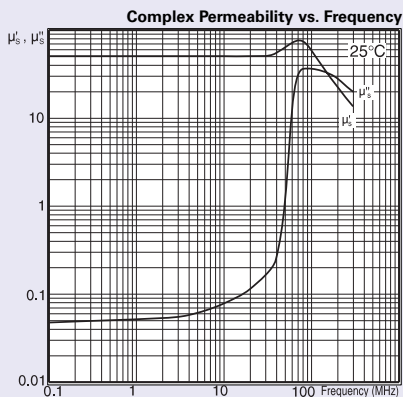
Typical Applications: Aerial rods and high frequency tuned circuits.

Available core shapes: On request.

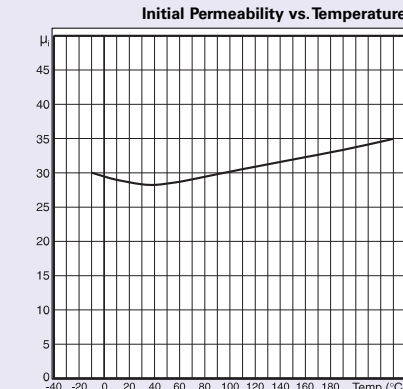
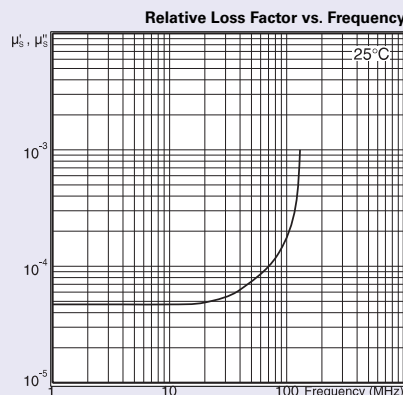
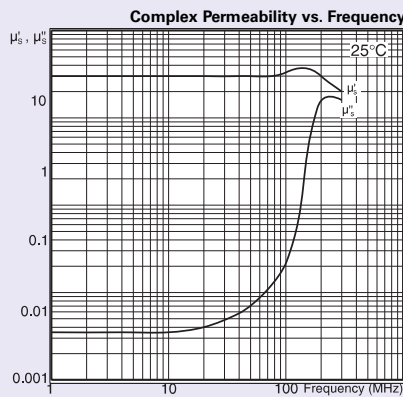
Note: Perminvar ferrites undergo irreversible changes of characteristics if subject to strong magnetic fields or mechanical shock.

Parameter	Symbol	Standard Conditions of test	Unit	F25	F28	F29							
Initial Permeability (nominal)		B<0.1mT 10kHz 25°C	-	50 ±20%	30 ±20	12 ±20							
Loss Factor (maximum)	$\frac{\tan \delta_{(f+\theta)}}{\mu_1}$	B<0.10mT	10 ⁶	50	-	-							
		1MHz		50	-	-							
		2MHz		55	-	-							
		3MHz		55	-	-							
		5MHz		65	-	-							
		10MHz		75	80	100							
		15MHz		100	-	-							
		20MHz		125	-	-							
Curie Temperature (minimum)	θ_C	B<0.10mT	10kHz	°C	450	500	500						
		Temperature Factor			B<0.10mT	+25°C to +55°C 10kHz	°C	15	10 to	3050			
		Resistivity (typical)						ρ	1 V/cm 25°C	ohm-cm	10 ⁵	10 ⁵	10 ⁵

F25



F28



F29

