FA1

MMG Canada Limited

Material Type: Nickel-Zinc Ferrite

Properties: Moderate initial permeability
High volume resistivity
Low dielectric losses

Frequency Range: 10 kHz to 10 MHz (subject to application)

Typical Application: Broadband RF transformers

Standard Geometries: Toroids, squaroids and baluns
Additional shapes are available upon request

Parameter	Symbol	Standard Test Conditions			Unit	Value
Initial Permeability *(nominal)*	μ_i	B < 0.1 mT	f = 10 kHz	T = 25°C	-	370
Saturation Flux Density *(typical)*	B_s	H = 1200 A/m (15 Oe)		T = 25°C	mT	310
Remanent Flux Density *(typical)*	B_r	H ~ 0 A/m (from near saturation) f = 10 kHz		T = 25°C	mT	270
Coercivity *(typical)*	H_c	B ~ 0 mT (from near saturation) f = 10 kHz		T = 25°C	A/m	60
Loss Factor *(maximum)*	$\frac{\tan \delta}{\mu_i}$	B < 0.1 mT	f = 100 kHz	T = 25°C	10^{-6}	65
Curie Temperature *(minimum)*	T_c	B < 0.1 mT	f = 1 kHz		°C	145
Resistivity *(typical)*	ρ	E = 1 V/cm		T = 25°C	$\Omega \cdot$ cm	1×10^8

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

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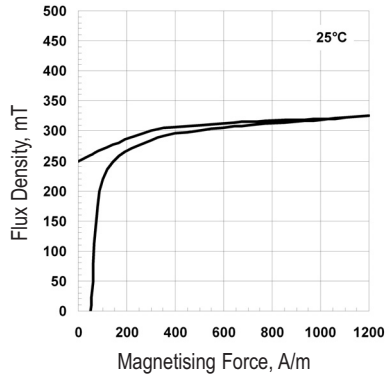
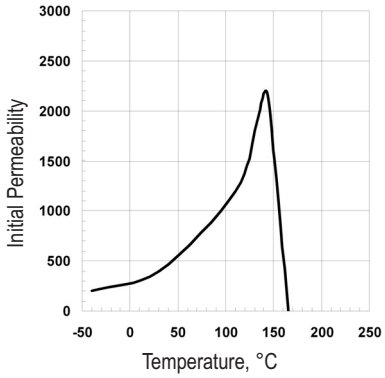
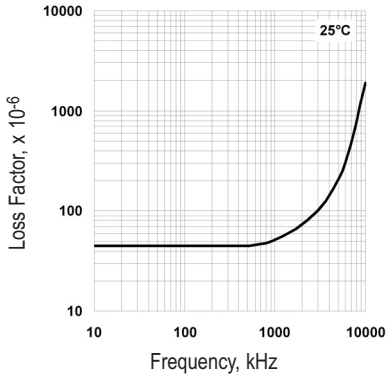
Dynamic Magnetisation Curve



Permeability vs Temperature



Loss Factor vs Frequency



Permeability vs Frequency