FTA

MMG Canada Limited

Material Type: Manganese-Zinc Ferrite

Properties: Very high permeability
High curie temperature
High saturation flux density

Frequency Range: DC to 300 kHz (subject to application)

Typical Application: Broadband and pulse transformers, balanced and common mode chokes, T1/E1 and DSL transformers

Standard Geometries: Toroids, baluns, EP and pot cores
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	-	10000
Saturation Flux Density *(typical)*	B_s	H = 796 A/m (10 Oe) T = 25°C	mT	420
Remanent Flux Density *(typical)*	B_r	H ~ 0 A/m (from near saturation) f = 10 kHz T = 25°C	mT	180
Coercivity *(typical)*	H_c	B ~ 0 mT (from near saturation) f = 10 kHz T = 25°C	A/m	8
Loss Factor *(maximum)*	$\frac{\tan \delta}{\mu_i}$	B < 0.1 mT f = 100 kHz T = 25°C	10^{-6}	50
Curie Temperature *(minimum)*	T_c	B < 0.1 mT f = 10 kHz	°C	130
Resistivity *(typical)*	ρ	E = 1 V/cm T = 25°C	$\Omega \cdot$ cm	10

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

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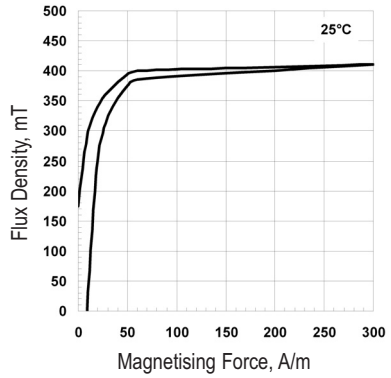
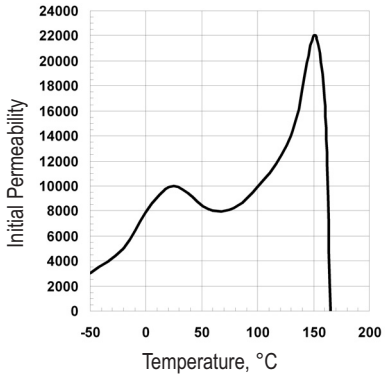
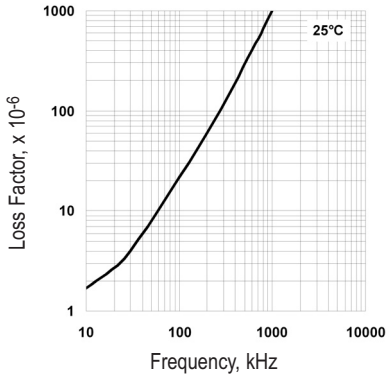
Dynamic Magnetisation Curve



Permeability vs Temperature



Loss Factor vs Frequency



Permeability vs Frequency