

Parameter	Symbol	Standard Conditions of test	Unit	F6
Initial Permeability (nominal)	μ	B<0.1mT 10kHz 25°C	-	1800 +/- 20%
Saturation Flux Density (typical)	B_{sat}	H=796 A/m = 10Oe 25°C	mT	450
Remanent Flux Density (typical)	B_r	H→0 (from near Saturation) 10kHz 25°C	mT	-
Amplitude Permeability (minimum)	μ_a	400mT 25°C 320mT 100°C	-	1200 1200
Total Power Loss Density (maximum)	P_v	200mT 16kHz 25°C 16kHz 60-100°C 25kHz 60-100°C	mW/ cm ³	150 150 -
Loss Factor (maximum)	$\frac{\tan \delta_{(r+s)}}{\mu_i}$	B<0.1mT 100kHz 25°C	10 ⁻⁶	-
Temperature Factor	$\frac{\Delta\mu}{\mu_i^2 \cdot \Delta T}$	+25°C to +55°C B<0.1mT 10kHz	10 ⁻⁶ / °C	-
Curie Temperature (minimum)	O_c	B<0.1mT 10kHz	°C	180
Hysteresis Material Constant (max)	η_B	B from 1.5 to 3mT 10kHz 25°C	10 ⁻⁶ / mT	-
Resistivity (typical)	ρ	1 V/cm 25°C	ohm- cm	100

Material type:

Manganese-Zinc Ferrite

Properties:

A general purpose ferrite offering medium permeability and high saturation

Typical applications:

Inverter transformers, cross over networks, RFI suppressors, RF inductors and welding impeders

Typical core shapes:

E, U, ring cores, rods and tubes