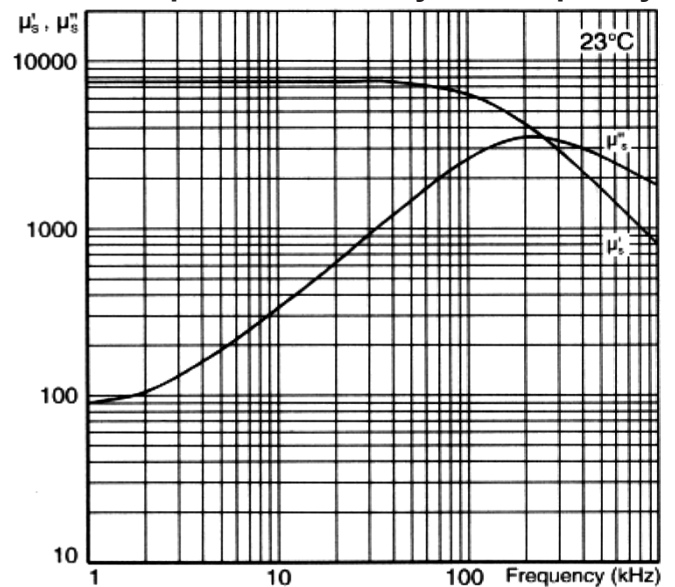


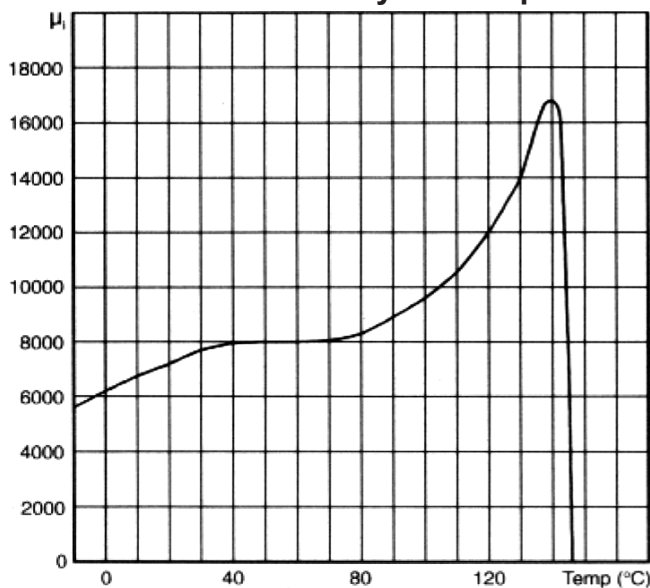
Parameter	Symbol	Standard Conditions of test		Unit	F57
Initial Permeability (nominal)	μ_i	B<0.1mT 10kHz	25°C	-	7500 ± 25%
Saturation Flux Density (typical)	B_{sat}	H=796 A/m = 10Oe	25°C	mT	380
Remanent Flux Density (typical)	B_r	H→0 (from near Saturation) 10kHz	25°C	mT	250
Coercivity (typical)	H_c	B→0 (from near Saturation) 10kHz	25°C	A/m	17
Curie Temperature (minimum)	θ_c	B<0.1mT	10kHz	°C	130
Resistivity (typical)	ρ		1 V/cm 25°C	ohm-cm	100

Material type: Manganese-Zinc Ferrite
Properties: High permeability
Frequency range: Depends on application
Typical applications: Pulse and broadband transformers, balanced (common-mode) chokes and inductors for filter applications
Typical core shapes: Ring, EP, and IEC pot cores

Complex Permeability vs. Frequency



Initial Permeability vs. Temperature



Dynamic Magnetisation: Typical B-H Loops

