

Parameter	Symbol	Standard Conditions of test	Unit	F7
Initial Permeability (nominal)	$\mu$	B<0.1mT 10kHz 25°C	-	1800 min.
Saturation Flux Density (typical)	$B_{sat}$	H=796 A/m = 10Oe 25°C	mT	390
Remanent Flux Density (typical)	$B_r$	H→0 (from near Saturation) 10kHz 25°C	mT	-
Amplitude Permeability (minimum)	$\mu_a$	400mT 25°C 320mT 100°C	-	-
Total Power Loss Density (maximum)	$P_v$	200mT 16kHz 25°C 16kHz 60-100°C 25kHz 60-100°C	mW/cm <sup>3</sup>	- - -
Loss Factor (maximum)	$\frac{\tan \delta_{(r+s)}}{\mu_i}$	B<0.1mT 20kHz 25°C	10 <sup>-6</sup>	8
Temperature Factor	$\frac{\Delta\mu}{\mu_i^2 \cdot \Delta T}$	+25°C to +55°C B<0.1mT 10kHz	10 <sup>-6</sup> /°C	0 to +2
Curie Temperature (minimum)	$O_c$	B<0.1mT 10kHz	°C	150
Hysteresis Material Constant (max)	$\eta_B$	B from 1.5 to 3mT 10kHz 25°C	10 <sup>-6</sup> /mT	-
Resistivity (typical)	$\rho$	1 V/cm 25°C	ohm-cm	100

**Material Type:** Manganese-Zinc Ferrite

**Typical applications:** Filter networks, high stability of inductance at lower frequencies.

**Typical core shapes:** Ring Cores and Balun Cores.