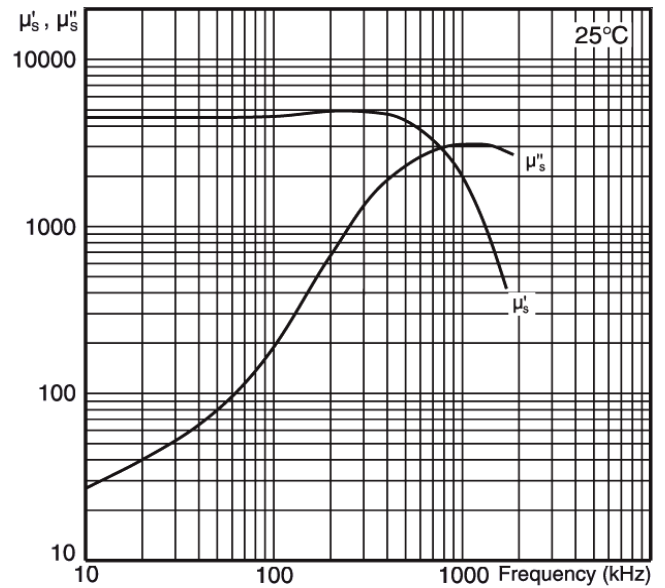


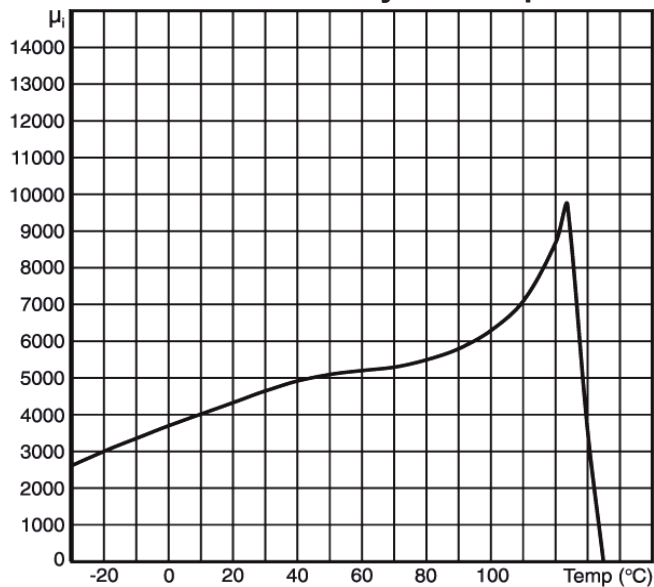
Parameter	Symbol	Standard Conditions of test	Unit	F9
Initial Permeability (nominal)	$\mu_i$	B<0.1mT 10kHz 25°C	-	4400 $\pm$ 20%
Saturation Flux Density (typical)	$B_{sat}$	H=796 A/m = 100e 25°C	mT	380
Remanent Flux Density (typical)	$B_r$	H→0 (from near Saturation) 10kHz 25°C	mT	180
Coercivity (typical)	$H_c$	B→0 (from near Saturation) 10kHz 25°C	A/m	13
Loss Factor (maximum)	$\frac{\tan \delta_{(r+\epsilon)}}{\mu_i}$	B<0.1mT 100kHz 25°C	$10^{-6}$	20
Curie Temperature (minimum)	$\Theta_c$	B<0.1mT 10kHz	°C	130
Hysteresis Material Constant (max)	$\eta_B$	B from 1.5 to 3mT 10kHz 25°C	$10^{-6}$ / mT	1.1
Resistivity (typical)	$\rho$	1 V/cm 25°C	ohm-cm	20

**Material type:** Manganese-Zinc Ferrite  
**Properties:** High permeability  
**Frequency range:** Depends on application  
**Typical applications:** Wideband and pulse transformers, filter and interference suppression  
**Typical core shapes:** Ring, E, U, EP, RM, and pot cores

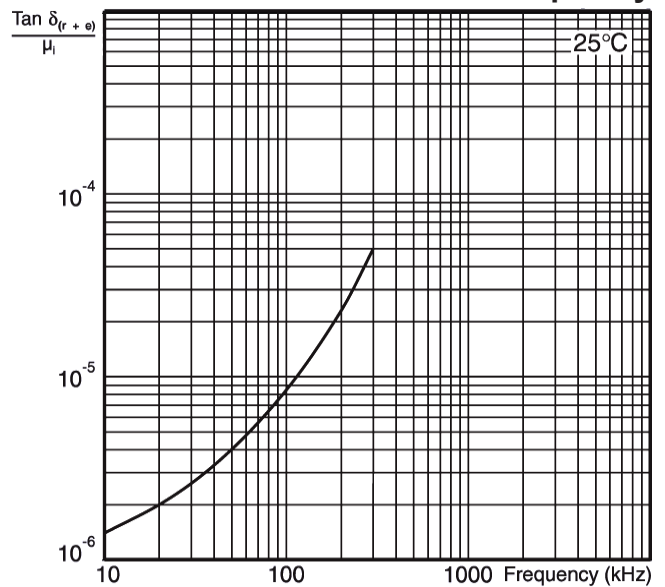
**Complex Permeability vs. Frequency**



**Initial Permeability vs. Temperature**



**Relative Loss Factor vs. Frequency**



Dynamic Magnetisation: Typical B-H Loops

