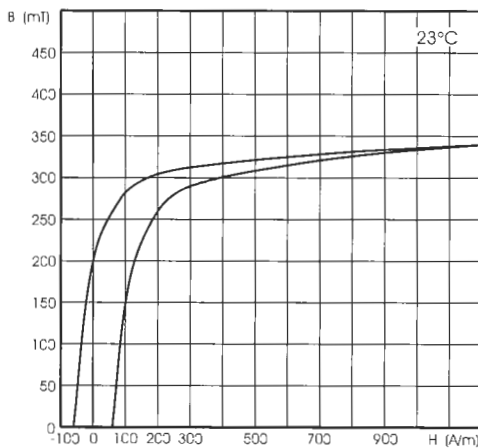


## F24 Material

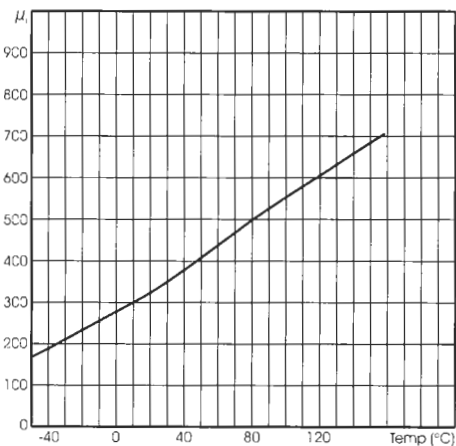
F24 is a Nickel-Zinc ferrite of moderate initial permeability specially formulated to provide low Hum Modulation in power choke applications. It is available in a variety of toroidal, multiaperture, bead, and rod cores.

Parameter	Symbol	Unit	Standard Test Conditions	Value
Initial Permeability (Nominal)	$\mu_i$	—	B<0.1mT 10kHz 25°C	350 ± 20%
Saturation Flux Density (typical)	$B_{sat}$	mT	H=1200 A/m=15 Oe 25°C, 100°C	350
Residual Flux Density (typical)	$B_r$	mT	H $\rightarrow$ 0 (from near Saturation) 10kHz 25°C	200
Coercive force (typical)	$H_c$	A/m	B $\rightarrow$ 0 (from near Saturation) 10kHz 25°C	65
Relative Loss Factor (maximum)	Tan $\delta/\mu_i$	10 <sup>-6</sup>	B<0.1mT 100kHz 25°C	—
Curie Temperature (minimum)	$T_c$	°C	B<0.1mT 1kHz	240
Normalized Impedance	$\Omega$	—	B<0.1mT 100MHz 25°C	—
Volume Resistivity (typical)	$\rho$	$\Omega$ -cm	1V/cm 25°C	1x10 <sup>5</sup>

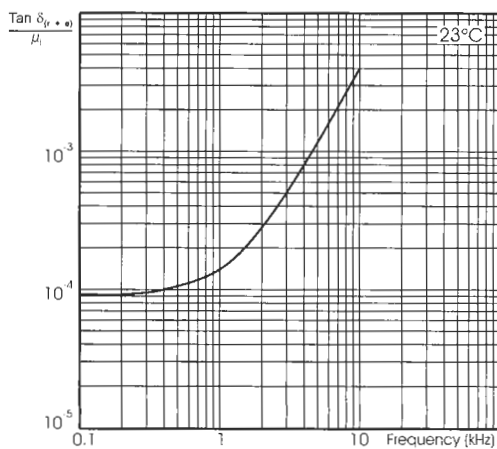
Dynamic Magnetization (BH) Loop



Initial permeability vs. Temperature



Relative Loss Factor vs. Frequency



Complex Permeability vs. Frequency

