

## 28 Material

A NiZn ferrite designed for EMI suppression from 20 MHz to 250 MHz, as well as for inductive applications including high frequency common-mode chokes.

Property	Unit	Symbol	Standard Test Conditions	Value
Initial Permeability		$\mu_i$	Frequency=10 kHz; B<10 gauss	850 $\pm$ 20%
Saturation Flux Density	gauss	$B_s$	H=10 oersted	$\approx$ 2950
Residual Flux Density	gauss	$B_r$		$\approx$ 1300
Coercive Force	oersted	$H_c$		$\approx$ 0.45
Loss Factor	$10^{-6}$	$\text{Tan}\delta/\mu_i$	Frequency=1 MHz; B=1 gauss	$\leq$ 250
Temperature Coefficient of Initial Permeability (20-70°C)	%/°C			$\leq$ 1.25
Volume Resistivity	$\Omega$ cm	$\rho$		$\approx 10^5$
Curie Temperature	°C	$T_c$		$\geq$ 135

