



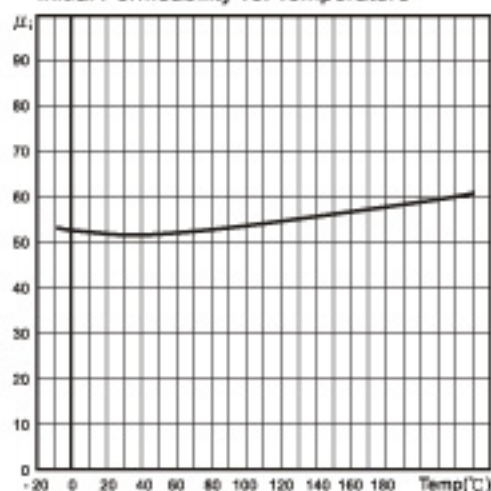
Ferrite Cores

Materials: GL9

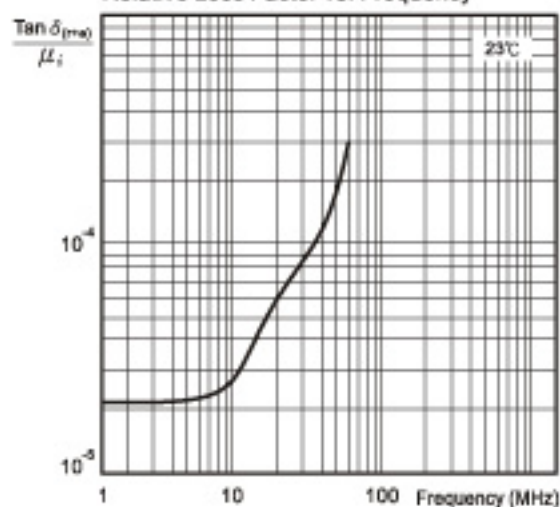
Parameter	Symbol	Standard Conditions of test	Unit	GL9
Initial Permeability (nominal)	μ_i	B<0.1mT 10kHz 25°C	-	50
Loss Factor (maximum)	$\frac{\tan \delta_{(re)}}{\mu_i}$	B<0.1mT 25°C 1MHz 2MHz 3MHz 5MHz 10MHz 15MHz 20MHz 40MHz	10^{-4}	50 50 55 65 75 100 125 300
Temperature Factor	$\frac{\Delta \mu}{\mu_i^2 \Delta T}$	B<0.25mT +25°C to +55°C 10kHz	10^{-4} /°C	10 to 15
Curie Temperature (minimum)	θ_c	B<0.10mT 10kHz	°C	450
Resistivity (typical)	ρ	1 V/cm 25°C	ohm-cm	10^8

A nickel-zinc ferrite (perminvar) offering high Q values optimised from 1 to 40MHz. Typical applications in high frequency tuned circuits and as aerial rods and slabs for paging systems.

Initial Permeability vs. Temperature



Relative Loss Factor vs. Frequency



Complex Permeability vs. Frequency

