

Properties and Characteristics

API Material 1

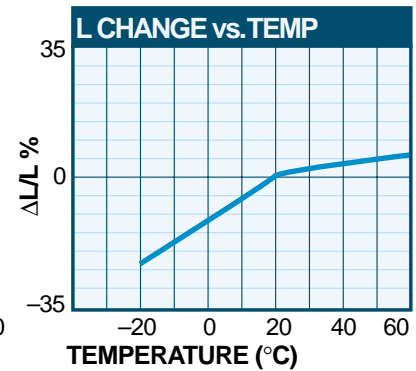
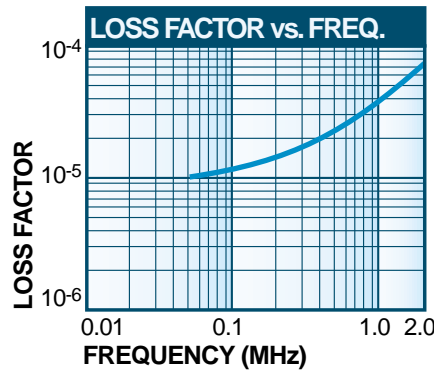
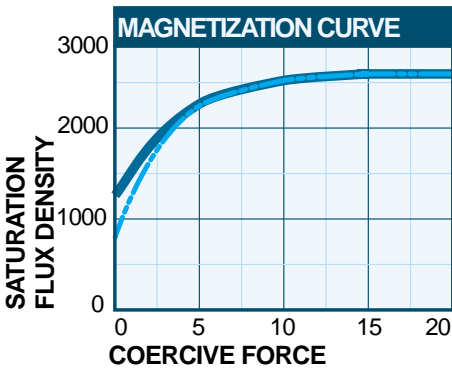
Material	Nickel Zinc
Initial Permeability	650 μ
Saturation Flux Density (BS)	2700 Gauss
Residual Flux Density (BR)	1200 Gauss
Coercive Force (HC)	0.35 Oersted
Curie Temperature (TC)	$\geq 200^{\circ}\text{C}$
Volume Resistivity (ρ)	10^7 Ohm-cm
Recommended Frequency Range	30 to 300 MHz

Loss Factor ($\tan\mu$)	10×10^{-6} (0.05 MHz)
	60×10^{-6} (1.5 MHz)

U.L. Recognized

All plastic and adhesive components use U.L. Recognized materials with Flammability Ratings of UL94V-0, UL-510 or UL-746C

For more detailed graphs, contact factory



API Material 2

Material	Nickel Zinc
Initial Permeability	1500 μ
Saturation Flux Density (BS)	2700 Gauss
Residual Flux Density (BR)	1100 Gauss
Coercive Force (HC)	0.20 Oersted
Curie Temperature	$\geq 150^{\circ}\text{C}$
Volume Resistivity (ρ)	10^7 Ohm-cm
Recommended Frequency Range	30 to 300 MHz

Loss Factor ($\tan\mu$)	10×10^{-6} (0.01 MHz)
	60×10^{-6} (0.05 MHz)

U.L. Recognized

API split ferrites are supplied as a complete set and include a UL Recognized flame retardant, polyimide film tape wrap. Existing polyimide tape can be used as a permanent closure around flat cables/flex circuits. Split ferrites are also available with a 3M Type VHB4926 adhesive mount, easily installed by peeling protective paper strip from base and pressing into place.

For more detailed graphs, contact factory

