



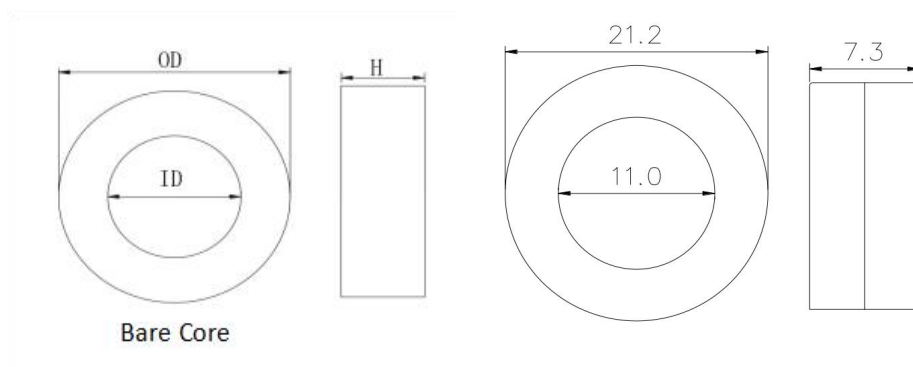
Dongguan JH Amorphous Co., Ltd.

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Address: Room 301, Building 2, 58 Liusha South Road, Shijie, Dongguan, Guangdong, China

Physical Specifications



OD -Outer Diameter ID-Inner Diameter H-core height

Ae-Effective cross section area Aw-window area Weight-Weight in Grams

Finish Type: Casing

Finish Color: Black

JH P/N	Core Dimensions						Effective cross-section area (mm2)	Mean path length (mm)	Window area (mm2)	Weight (g)	Inductance / Turn AL(μH) ±30%	
	Bare Core Dim.(mm)			Finished Core Dim. (mm)							10KHz	100KHz
	OD	ID	H	OD	ID	H						
JHNT 18.5-13-5	18.5	13	5	21.2	11	7.3	10.73	49.46	132.67	3.92	20	7.3

Material Properties

Core Material: Fe-based Nanocrystalline 1K107

Saturate induction / Bs (T)	1.25	Saturation Magnetostriction (λs)	2.0
Curie temperature Tc (°C)	560	Density ρ (g/cm ³)	7.2
Crystalline temp. Tx (°C)	510	Resistivity δ (μΩ.cm)	100
Hardness Hv	880	Ribbon Thickness (μm)	25
Initial permeability (μi)	80,000	Stacking factor	≥ 0.75
Working temperature Tc (°C)	-40~140		

Electrical Characteristics

Inductance	Turns	Test Condition	Test Equipment
Z=17 μH MIN	1Ts	10KHz/0.1V, 100Ω, 25±5°C	ZX8516B or Equivalent
Z=7 μH MIN	1Ts	100KHz/0.1V, 100Ω, 25±5°C	ZX8516B or Equivalent



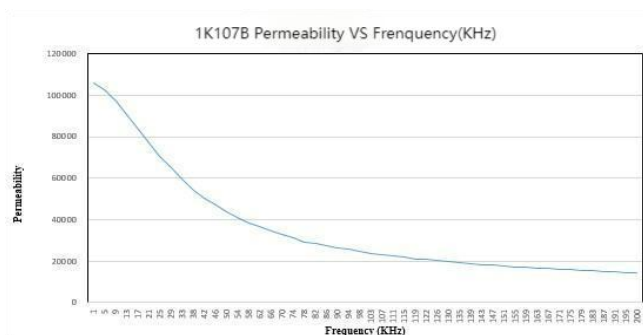
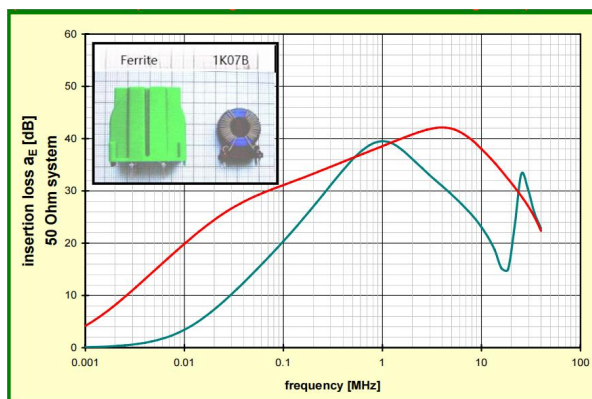
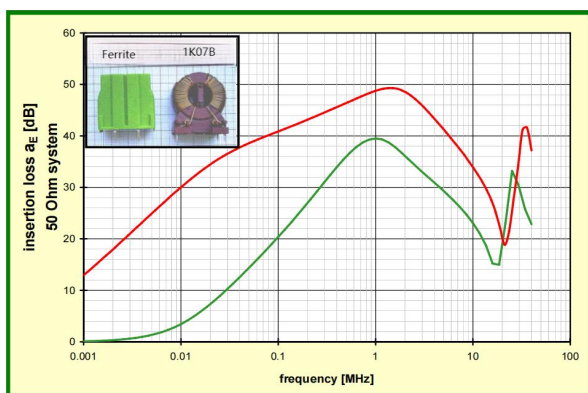
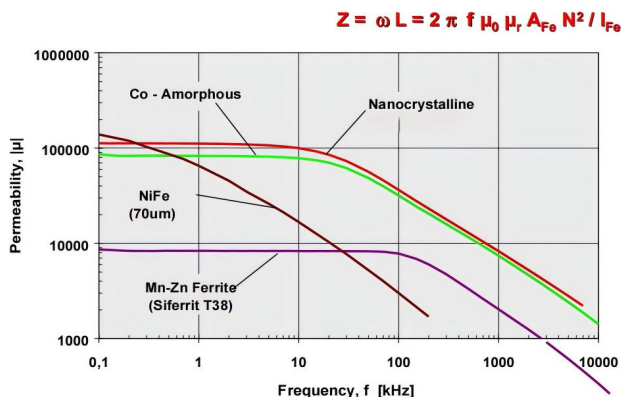
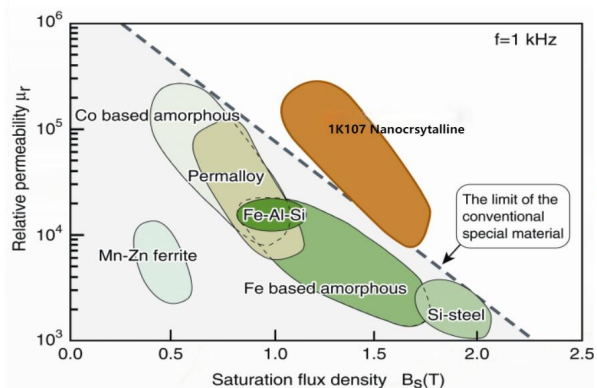
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Permeability of Different Soft Magnet Material Cross reference



1K107B B-H Loop

