

E02 高导磁率铁氧体材料 (HIGH PERM. FERRITE MATERIAL E02)

E02 锰锌铁氧体是一种高性能的电磁干扰 (EMI) 抑制材料，具有2000的初始磁导率，适用于高达500MHz的工作频率。它在高频应用中表现优越，广泛应用于电源滤波器、信号线滤波器、无线通讯设备、计算机和网络设备等领域，适合的产品形状包含T、RH、RU、OT等。

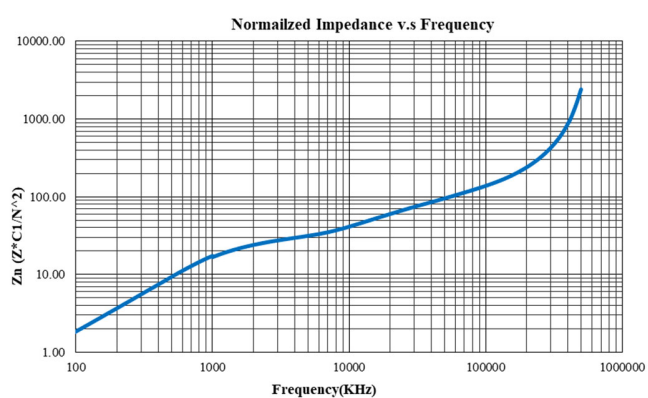
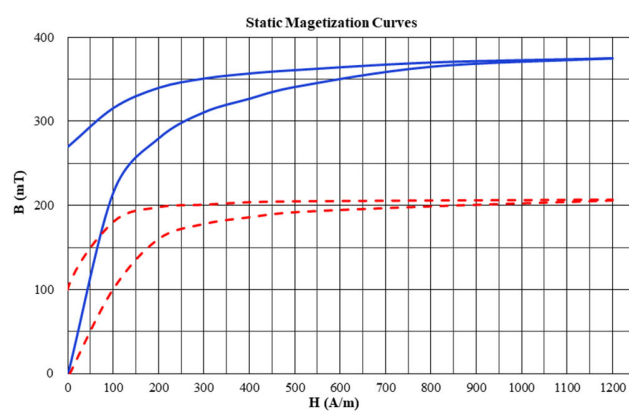
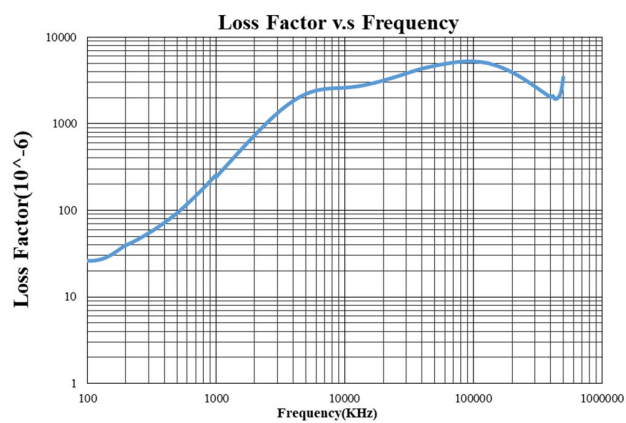
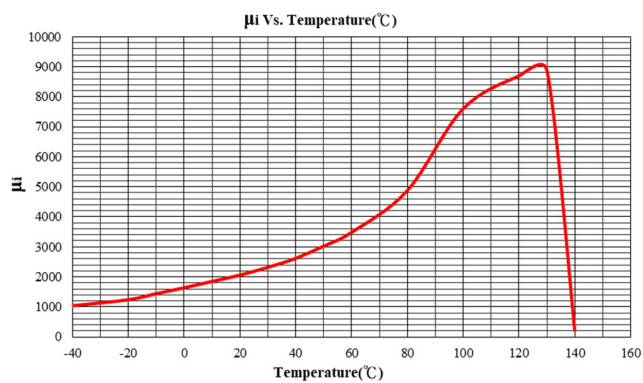
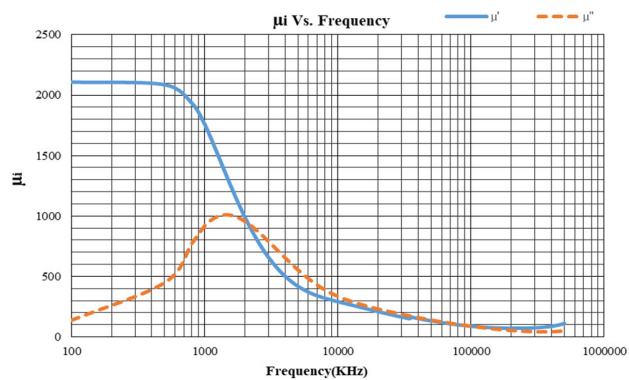
The Mn-Zn Ferrite T02 is a high-performance material designed for electromagnetic interference (EMI) suppression. It features an initial permeability of 2000 and is suitable for operating frequencies up to 500MHz. This ferrite demonstrates exceptional performance in high-frequency applications and is widely used in various fields including power filters, signal line filters, wireless communication devices, computers, and network equipment. Suitable product shapes include T, RH, RU, and OT.

特性 CHARACTERISTICS	測試條件 CONDITION		典型值 TYPICAL VALUE	單位 UNIT
初始磁導率 μ_i Initial Permeability	100KHz & <0.2mT		2000 ± 25%	
飽和磁通密度 B_s Saturation Flux Density	1200 A/m 50Hz	25°C	370	mT
		100°C	210	
殘留磁通密度 B_r Remanence	1200 A/m 50Hz	25°C	270	mT
		100°C	100	
矯頑力 H_c Coercivity	1200 A/m 50Hz	25°C	10	A/m
		100°C	5	
相對損失因子 Loss Factor	100KHz		<30	10^{-6}
磁滯常數 η_B Hysteresis Material Constant	10KHz 1.5-3.0mT		2.0	$10^{-6}/\text{mT}$
溫度係數 α_f Temperature Factor of Permeability	100KHz <0.2mT	0-25°C	<7	10^{-6}
		25-70°C	<7	
居禮溫度 T_c Curie Temp.	100KHz & <0.2mT		>130	°C
密度 D Density	阿基米德法 Archimedes method		4.8	g/cm^3
表面電阻 ρ Electrical Resistivity	直流電流 DC Current		3.0	$\Omega\cdot\text{m}$

备注: 各項數值均為環形磁芯 T25*15*8 測得的典型數值。由于幾何形狀和尺寸的影響，產品規格將與這些數據有所差異。

Note : All values are typical values measured for the toroidal magnetic core T25*15*8. Due to the influence of geometric shape and size, the product specifications may differ from these data.

E02 高導磁率鐵氧體材料 (High perm. Ferrite Material E02)



目錄內容變更時不會另行通知，請務必索取能進一步確認詳細特性、規格的規格書。

Data is subject to change without prior notice, please be sure to request a specification for further confirmation of detailed features and specifications.