

T12 高導磁率鐵氧體材料 (HIGH PERM. FERRITE MATERIAL T12)

高導磁率的錳鋅鐵氧體材料既適用於EMI（電磁干擾）濾波器和衰減器等電磁兼容性應用，也可應用於XDSL等高频應用中。在EMI應用中，這種材料有助於抑制電路中的共模噪聲；而在XDSL等應用中，通常用於製造線路驅動器和變壓器，用於傳輸數字信號。適合的產品形狀可能包括Toroids、OT、UU、EP等。

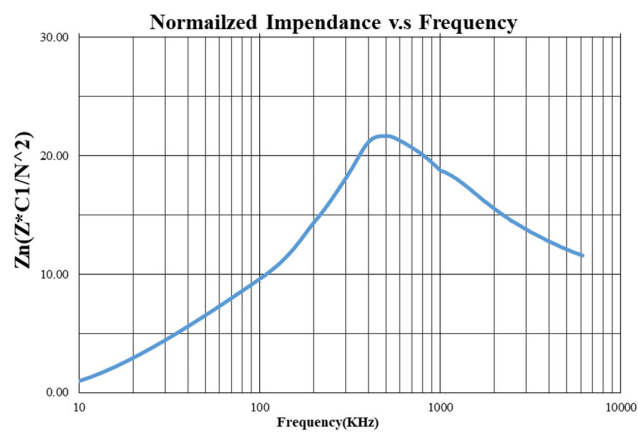
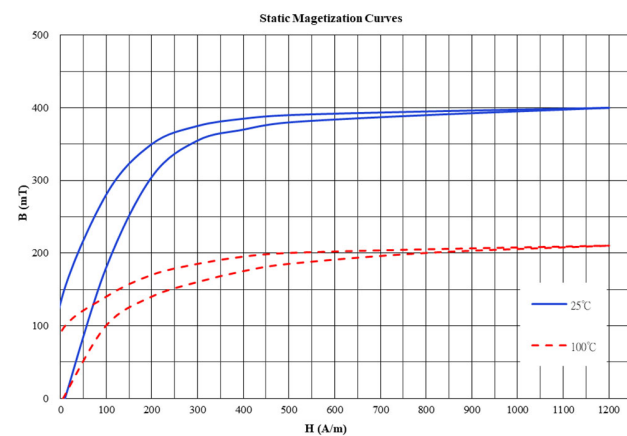
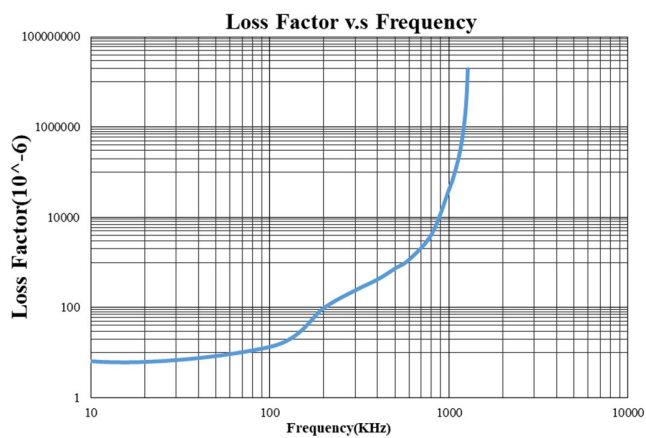
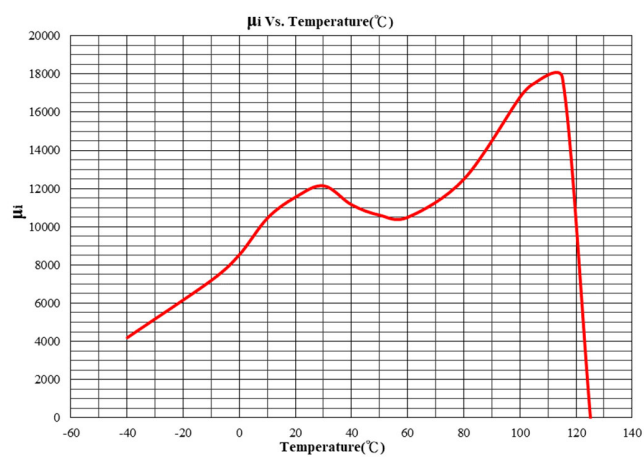
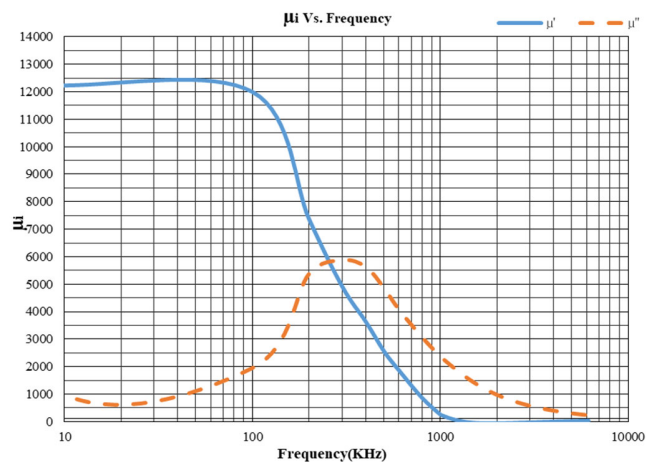
High permeability manganese-zinc ferrite materials are suitable for both EMI (Electromagnetic Interference) filters and attenuators, as well as high-frequency applications like XDSL. In EMI applications, this material aids in suppressing common-mode noise in circuits. In XDSL applications, it is commonly used in the manufacture of line drivers and transformers for transmitting digital signals. Suitable product shapes may include Toroids, OT, UU, and EP cores.

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	10KHz & <0.2mT		12000 $\pm$ 30%	
飽和磁通密度 B_s Saturation Flux Density	1200 A/m 50Hz	25°C	400	mT
		100°C	210	
殘留磁通密度 B_r Remanence	1200 A/m 50Hz	25°C	130	mT
		100°C	110	
矯頑力 H_c Coercivity	1200 A/m 50Hz	25°C	10	A/m
		100°C	6	
相對損失因子 Loss Factor	100KHz		<15	10^{-6}
磁滯常數 η_B Hysteresis Material Constant	100KHz 1.5-3.0mT		0.5	$10^{-6}/\text{mT}$
溫度係數 α_f Temperature Factor of Permeability	100KHz <0.2mT	0-25°C	0~2.0	10^{-6}
		25-70°C	-0.5~0.5	
居禮溫度 T_c Curie Temp.	100KHz & <0.2mT		>110	°C
密度 D Density	阿基米德法 Archimedes method		5.0	g/cm^3
表面電阻 ρ Electrical Resistivity	直流電流 DC Current		0.1	$\Omega\text{-m}$

备注: 各項數值均為環形磁芯 T25*15*8 測得的典型數值。由於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.

T12 高导磁率铁氧体材料 (High perm. Ferrite Material T12)



目錄內容變更時不會另行通知，请务必索取能进一步确认详细特性、规格的规格书。

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