

MF2 鎂鋅材料 MG-ZN MATERIAL

MF2 為鎂鋅鐵氧體材料，初始導磁率 (μ_i) 約 800，飽和磁通密度 (B_s) 約 270 mT，居禮溫度高於 130 °C。其特點是高導磁率與低居禮溫度，在低頻段能提供高阻抗，適合 **電源輸入端濾波器、大型共模扼流圈，以及低頻 EMI 抑制應用。**

MF2 is a Mg - Zn ferrite material with an initial permeability (μ_i) of about 800, a saturation flux density (B_s) of 270 mT, and a Curie temperature above 130 °C. With higher permeability and relatively lower Curie temperature, it provides strong impedance at low frequencies, making it suitable for **input power filters, large common-mode chokes, and low-frequency EMI suppression applications.**

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		800±25%	
Applicable frequency (適用頻率)			<1.0	MHz
飽和磁通密度 B_s Saturation Flux Density	3000 A/m 100Hz	25°C	270	mT
		100°C	95	
殘留磁通密度 B_r Remanence	3000 A/m 100Hz	25°C	125	mT
		100°C	8	
矯頑力 H_c Coercivity	3000 A/m 100Hz	25°C	16	A/m
		100°C	6	
$\alpha \mu \gamma$ (溫度系數)	20-60°C		15	$\times 10^{-6}$
相對損失因數 Loss Factor	0.1MHz & <0.2mT		25	$\times 10^{-6}$
	0.5MHz & <0.2mT		50	
居禮溫度 T_c Curie Temp.	100KHz & <0.2mT		>130	°C
密度 D Density	阿基米德法 Archimedes method		4.85	g/cm ³
表面電阻 ρ Electrical Resistivity	直流電流 DC Current		10^7	$\Omega\text{-m}$

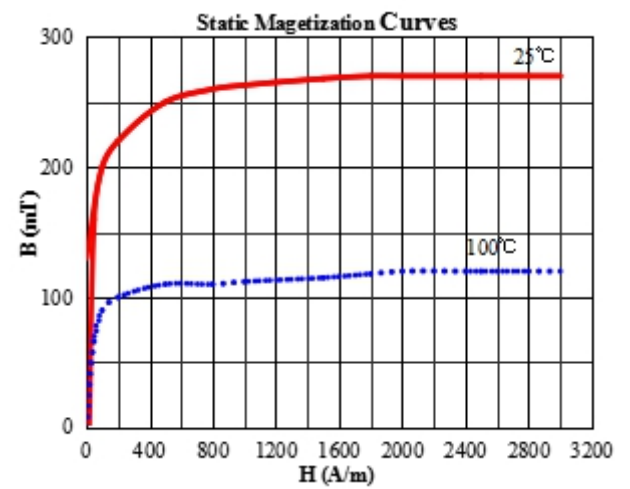
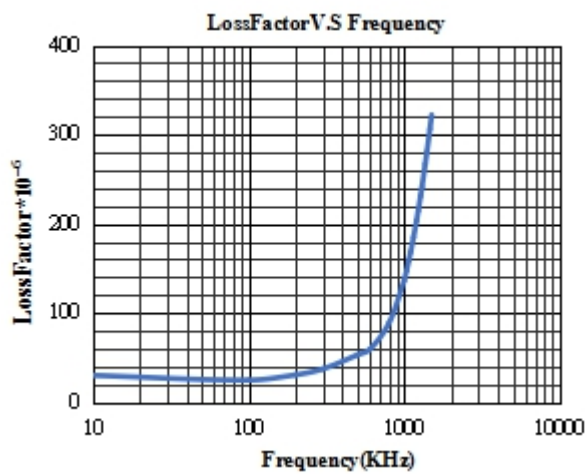
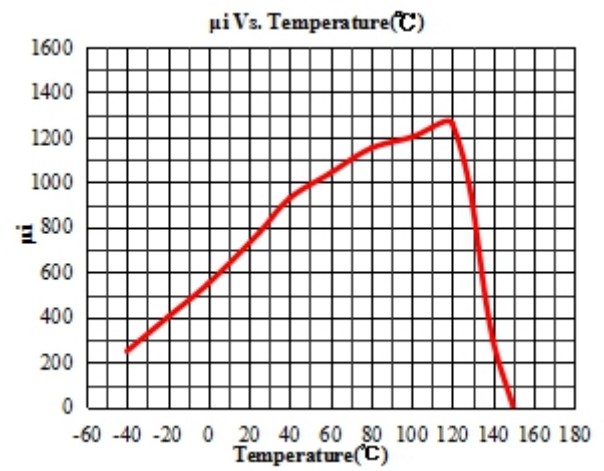
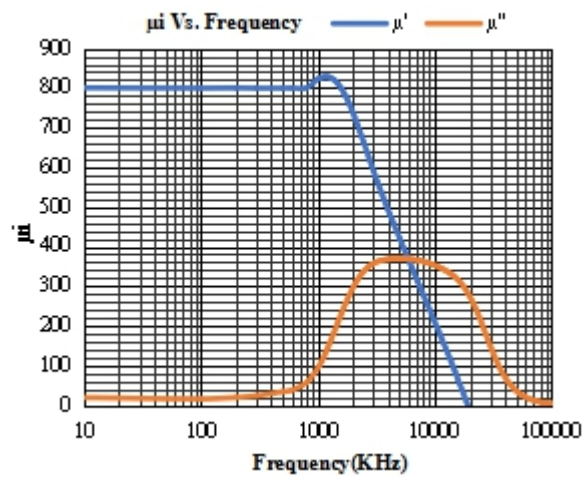
備註：各項數值均為環形磁芯 T31*19*8 測得的典型數值，由於幾何形狀和尺寸的影響，產品規格將與這些數據有所差異。

Note : All values are typical values measured for the toroidal magnetic core T31*19*8. Due to the influence of geometric shape and size, the product specifications may differ from these data.

如需更多資訊或有任何需求，請隨時與我們的業務人員聯繫。我們將竭誠為您服務。

For more information or any inquiries, please feel free to contact our sales representatives. We are dedicated to serving you.

TEL : 86-762-4329901 EX.605 E-mail : sales6@takferrite.com



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.