

MF3 鎂鋅材料 MG-ZN MATERIAL

MF3 為鎂鋅鐵氧體材料，初始導磁率 (μ_i) 約 350，飽和磁通密度 (B_s) 約 330 mT，居禮溫度高於 180 °C。其具備低溫漂、低損耗與中等導磁率，適合 RFID 線圈、低頻與高頻射頻濾波器，以及寬頻 EMI 抑制磁環。

MF3 is a Mg - Zn ferrite material with an initial permeability (μ_i) of about 350, a saturation flux density (B_s) of 330 mT, and a Curie temperature above 180 °C. It features low temperature coefficient, low loss, and medium permeability, making it suitable for RFID coils, low- and high-frequency RF filters, and broadband EMI suppression 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	100KHz & <0.2mT		350±25%	
Applicable frequency (適用頻率)			<1.8	MHz
飽和磁通密度 B_s Saturation Flux Density	3000 A/m 100Hz	25°C	330	mT
		100°C	230	
殘留磁通密度 B_r Remanence	3000 A/m 100Hz	25°C	160	mT
		100°C	120	
矯頑力 H_c Coercivity	3000 A/m 100Hz	25°C	55	A/m
		100°C	40	
$\alpha \mu \gamma$ (溫度系數)	20-60°C		10	$\times 10^{-6}$
相對損失因數 Loss Factor	0.1MHz & <0.2mT		20	$\times 10^{-6}$
	1.0MHz & <0.2mT		25	
居禮溫度 T_c Curie Temp.	100KHz & <0.2mT		>180	°C
密度 D Density	阿基米德法 Archimedes method		4.9	g/cm^3
表面電阻 ρ Electrical Resistivity	直流電流 DC Current		10^7	$\Omega\cdot m$

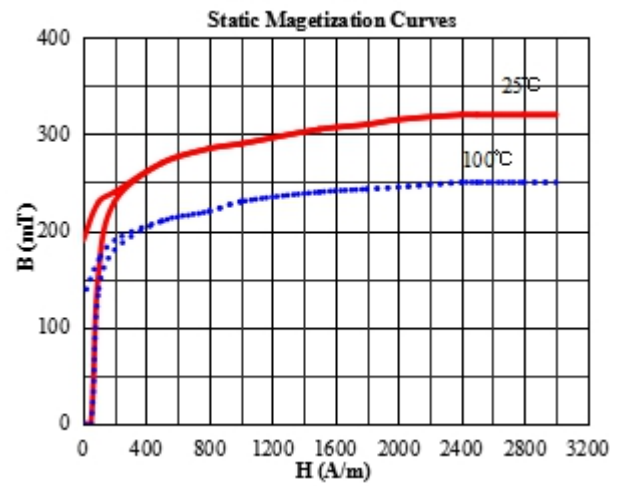
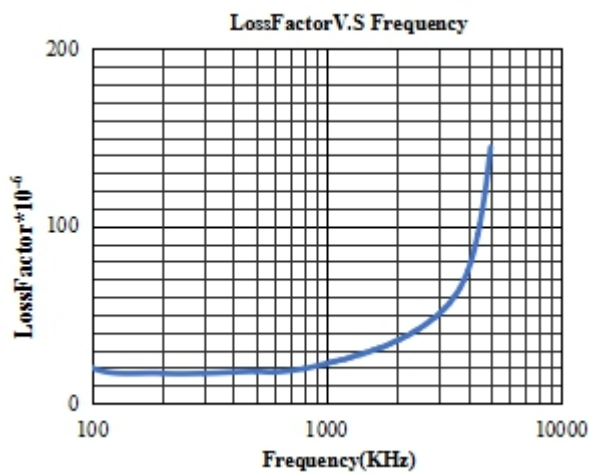
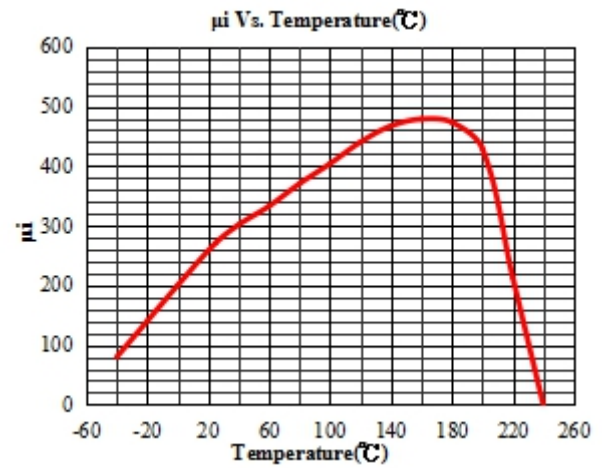
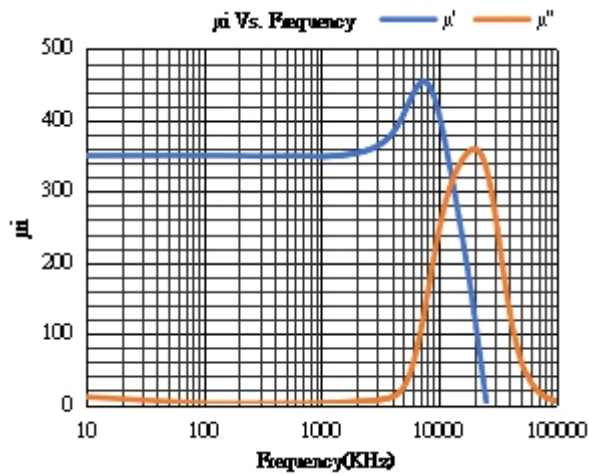
備註：各項數值均為環形磁芯 T31*19*8 測得的典型數值，由於幾何形狀和尺寸的影響，產品規格將與這些數據有所差異。

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.

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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.