

L8A 高磁導率 EMI 材料 HIGH PEAM. & EMI MATERIALS

專為 Signal line filters, common-mode chokes 設計，初始導磁率 (μ_i) 約 1600，飽和磁通密度 (B_s) 達 300 mT，居禮溫度 $>120^\circ\text{C}$ ，適合在對溫度穩定性與頻率響應要求嚴苛的環境下使用。高電阻率特性，使其具備優異抗 EMI 能力，確保長期穩定與高可靠度。

Specifically designed for signal line filters and common-mode chokes, it features an initial permeability (μ_i) of approximately 1600, a saturation flux density (B_s) of up to 300 mT, and a Curie temperature above 120°C . It is suitable for environments with stringent requirements on temperature stability and frequency response. With its high resistivity characteristics, it provides excellent EMI suppression capability, ensuring long-term stability and high reliability.

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 & $<0.2\text{mT}$		1600 $\pm$ 25%	
飽和磁通密度 B_s Saturation Flux Density	3000 A/m	25 $^\circ\text{C}$	300	mT
	100Hz	100 $^\circ\text{C}$	110	
殘留磁通密度 B_r Remanence	3000 A/m	25 $^\circ\text{C}$	120	mT
	100Hz	100 $^\circ\text{C}$	30	
矯頑力 H_c Coercivity	3000 A/m	25 $^\circ\text{C}$	15	A/m
	100Hz	100 $^\circ\text{C}$		
$\alpha \mu \gamma$ (溫度系數)	20-60 $^\circ\text{C}$		4	$\times 10^{-6}$
相對損失因數 Loss Factor	0.1MHz & $<0.2\text{mT}$		15	$\times 10^{-6}$
	0.3MHz & $<0.2\text{mT}$		35	
居禮溫度 T_c Curie Temp.	100KHz & $<0.2\text{mT}$		>120	$^\circ\text{C}$
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		10^7	$\Omega\text{-m}$

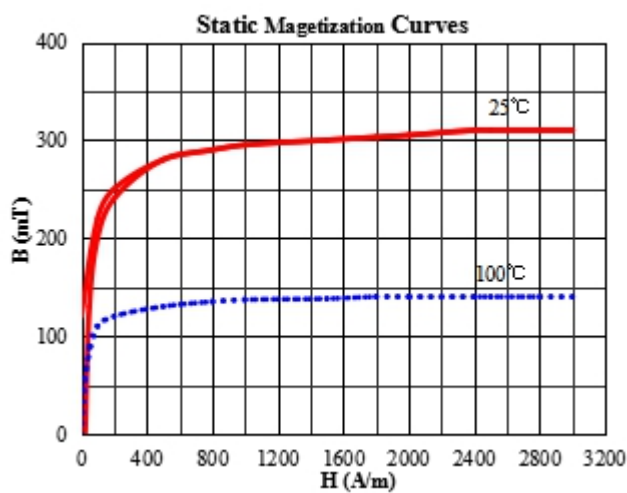
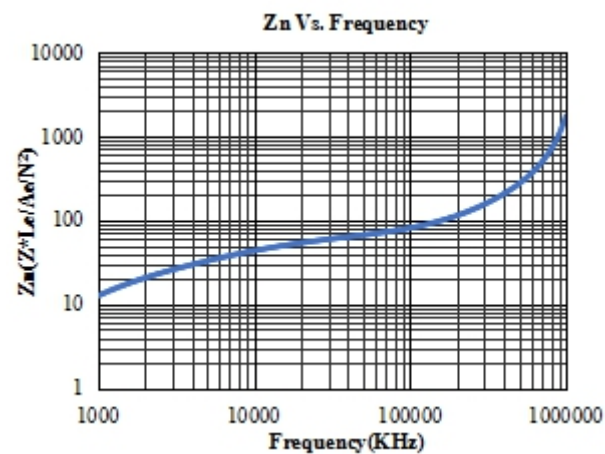
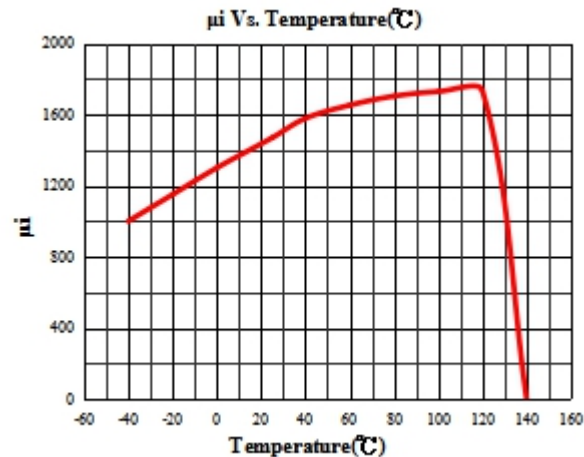
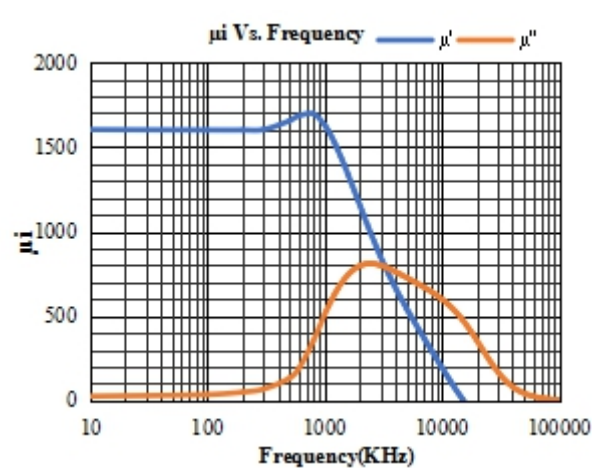
備註：各項數值均為環形磁芯 T31*19*13 測得的典型數值。由於幾何形狀和尺寸的影響，產品規格將與這些數據有所差異。

Note: All values are typical values measured for the toroidal magnetic core T31*19*13. 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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Data is subject to change without prior notice, please be sure to request a specification for further confirmation of detailed features and specifications.