L28A 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（μi）約 2800，飽和磁通密度（Bs）達 250 mT，居禮溫度 >80℃，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 (μi) of approximately 2800, a saturation flux density (Bs) of up to 250 mT, and a Curie temperature above 80 ℃. 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 u_i Initial Permeability	100KHz & <0.2mT		2800±25%	
Applicable frequency (適用頻率)			<0. 6	MHz
飽和磁通密度 Bs Saturation Flux Density	3000 A/m 100Hz	25℃	250	mT
		80℃	160	
殘留磁通密度 Br Remanence	3000 A/m 100Hz	25℃	100	mT
		80℃	50	
矯頑力 Hc Coercivity	3000 A/m 100Hz	25℃	8	A/m
		80℃	7	
α μ γ (溫度系數)	20-60℃		6	$x10^{-6}$
相對損失因數 Loss Factor	0.1MHz & <0.2mT		25	$x10^{-6}$
	0.3MHz & <0.2mT		40	
居禮溫度 Tc Curie Temp.	100KHz & <0.2mT		>80	℃
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	Ω-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。
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