

T2 功率铁氧体材料 (POWER FERRITE MATERIAL T2)

一般用途铁氧体材料适合在低频率100KHz以下，有良好的饱和磁通密度表现。可用于低频下的功率电感应用。适合使用于DR/DRH/ROD等开放磁路的的产品外形。

General-purpose ferrite materials are suitable for frequencies below 100kHz, exhibiting good saturation magnetic flux density performance. They are used in power inductor applications at low frequencies. Suitable for products with open magnetic circuit such as DR/DRH/ROD shapes.

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		2800 ± 25%	
增幅磁導率 μ_a Amplitude Permeability	25KHz/400mT	25°C	> 1000	
	25KHz/320mT	100°C	> 500	
飽和磁通密度 B_s Saturation Flux Density	1200 A/m 100Hz	25°C	510	mT
		100°C	390	
殘留磁通密度 B_r Remanence	1200 A/m 100Hz	25°C	135	mT
		100°C	110	
矯頑力 H_c Coercivity	1200 A/m 100Hz	25°C	15	A/m
		100°C	10	
相對損失因子 Loss Factor	100KHz & <0.2mT		< 12	10^{-6}
居禮溫度 T_c Curie Temp.	100KHz & <0.2mT		>180	°C
密度 D Density	阿基米德法 Archimedes method		4.80	g/cm ³
表面電阻 ρ Electrical Resistivity	直流電流 DC Current		>5	$\Omega \cdot m$
功率損耗 P_{cv} Power Loss	25KHz/200mT	25°C	110	kW/m ³
		100°C	200	
	100KHz/100mT	25°C	110	
		100°C	240	

备注: 各項數值均為環形磁芯 T31*19*13 測得的典型數值。由于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.

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.

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