

TB2 功率铁氧体材料 (POWER FERRITE MATERIAL TB2)

高矩形比的锰锌铁氧体材料，高矩形比的磁芯能够在较低的磁场下提供相对较高的磁感应强度，这使得它们特别适合于镇流器中的电感器。这种设计可以提高镇流器的效率和性能。镇流器是一种用于稳定电流或电压的电路，通常用于LED驱动器、电源适配器和其它电源应用中。适合的产品形状为DR/DRH/Toroids.

High rectangular ratio manganese-zinc ferrite material refer to cores with a high Br/Bs ratio. These cores can provide relatively high magnetic induction strength at lower magnetic fields, making them particularly suitable for inductors in ballasts. This design enhances the efficiency and performance of the ballast, which is a circuit used to stabilize current or voltage, commonly found in LED drivers, power adapters, and other power supply applications. The suitable product shapes for these applications are DR/DRH/Toroids.

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		1500±25%	
增幅磁導率 μ_a Amplitude Permeability	25KHz/400mT	25°C	> 900	
	25KHz/320mT	100°C	> 500	
飽和磁通密度 B_s Saturation Flux Density	1200 A/m 100Hz	25°C	580	mT
		100°C	460	
殘留磁通密度 B_r Remanence	1200 A/m 100Hz	25°C	420	mT
		100°C	330	
矯頑力 H_c Coercivity	1200 A/m 100Hz	25°C	30	A/m
		100°C	25	
相對損失因子 Loss Factor	100KHz & <0.2mT		< 40	10^{-6}
居禮溫度 T_c Curie Temp.	100KHz & <0.2mT		>220	°C
密度 D Density	阿基米德法 Archimedes method		4.90	g/cm^3
表面電阻 ρ Electrical Resistivity	直流電流 DC Current		>4	$\Omega-m$
功率損耗 P_{cv} Power Loss	25KHz/200mT	25°C	310	kW/m^3
		100°C	430	
	100KHz/100mT	25°C	440	
		100°C	760	

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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