

RICH TECH MnZn材料特性表 Material Characteristic Sheet

MnZn高磁导率铁氧体材料特性

MnZn High Permeability Ferrite material Characteristics

特性 Characteristics	单位 Unit		RH 10K	RH 12K	RH 15K
初始磁导率 μ_i (10kHz) Initial permeability	25°C H<0.08A/m		10000 ±30%	12000 ±30%	15000 ±30%
初始磁导率比温度系数 $\alpha_{\mu ir}$ Relative temperature coefficient of initial permeability	20°C~60°C	$10^{-6}/^{\circ}\text{C}$	-0.5~2.0	-0.5~3.0	-0.5~2.0
比损耗因子 $\tan \delta / \mu_i$ Relative loss factor	100kHz	$\times 10^{-6}$	< 30	< 7.0 (10kHz)	< 7.0 (10kHz)
减落因子 D_F Disaccommodation factor	1 to 10 minutes	$\times 10^{-6}$	< 2.0	< 2.0	< 2.0
饱和磁通密度 B_s Saturation magnetic flux density	H=1194A/m 25°C	mT	380	360	360
剩磁 B_r Remanence	25°C	mT	120	100	100
矫顽力 H_c Coercivity	25°C	A/m	6	4.4	4.4
电阻率 ρ Electrical Resistivity		$\Omega \cdot \text{m}$	0.2	0.15	0.15
居里温度 T_c Curie Temperature		°C	≥ 125	≥ 115	≥ 110
密度 d Density		kg/m ³	4.9×10^3	4.95×10^3	4.95×10^3

注：各表格所列无公差和范围要求的值均为典型值，不包括客户的特殊要求；有特殊要求时，应在订单中给予明确。

Remark: The value of material's characteristics, which have no other requirement on the tolerance, are typical value. Please contact our company for more characteristics in your order or agreement.