

Mn-Zn 功率铁氧体材料特性

Mn-Zn Power Ferrite Characteristics

注：以下数据是根据标准样环 T12. 7X7. 5X7 获得的典型数据，有关产品的具体性能会在此基础上有所改变，具体以实际产品承认书

标准为准。The following data are typical data obtained according to the standard sample ring T12. 7X7. 5X7 The specific performance of related products will be changed on this basis. The specific data shall be subject to the actual product recognition standard.

特性 Characteristics	符号 Symbol	单位 Unit	测定条件 Conditions	JNP51H
初始磁导率 Initial Permeability	μ	-	25°C 10kHz, B<0.25mT	900±25%
饱和磁通密度 Saturation Magnetic Flux Density	Bs	mT	25°C H=1194A/m, f=50Hz	515
			100°C H=1194A/m, f=50Hz	420
剩磁 Residual Magnetic Flux Density	Br	mT	25°C H=1194A/m, f=50Hz	200
矫顽力 Coercive Force	Hc	A/m	25°C H=1194A/m, f=50Hz	50
功率损耗 PowerLoss	Pv	mW/cm ³	25°C f=1MHz, B=50mT	250
			100°C f=1MHz, B=50mT	150
			25°C f=3MHz, B=10mT	50
			100°C f=3MHz, B=10mT	50
功率损耗 PowerLoss	Pv	mW/cm ³	25°C f=3MHz, B=30mT	600
			100°C f=3MHz, B=30mT	500
			25°C f=5MHz, B=9mT	150
			100°C f=5MHz, B=9mT	170
居里温度 Curie Temperature	Tc	°C	-	≥280
电阻率 Electrical Resistivity	ρ	$\Omega \cdot m$	25°C	10
密度 Density	d	g/cm ³	-	4.8

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JNP51H 材料特性曲线

JNP51H Material Characteristics Curve

