

GP4A材料特性【GP4A MATERIAL CHARACTERISTICS】

材料特点(FEATURES)

- 【1】主要应用小于150KHZ中频段/MOSTLY USED AT MIDILE FREQUENCY(LESS THAN 150KHZ)
- 【2】损耗最低点在70℃左右/THE LOWEST LOSS POINT IS ABOUT 70 C.
- 【3】功耗最低点偏低温，与GP4相比有更高的磁导率
THE LOWEST POWER CONSUMPTION IS LOW TEMPERATURE AND HAS HIGHER PERMEABILITY THAN GP4.

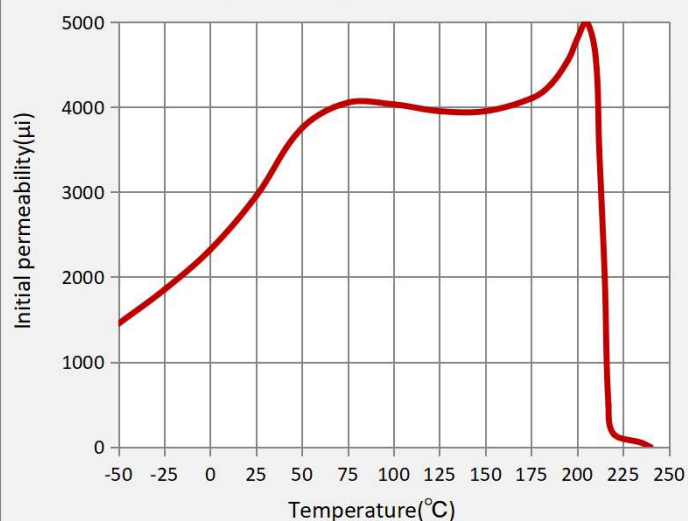
特性 Characteristic	符号 Symbol	单位 Unit	测试条件 Conditions	典型值 Value
初始磁导率 Initial Permeability	μ_i		10kHz, B<0. 25mT, 25℃	2800±25%
饱和磁通密度 Saturation Flux Density	Bs	mT	10kHz, H=1194A/m, 25℃	500
			10kHz, H=1194A/m, 100℃	390
剩磁 Remanence	Br	mT	10kHz, H=1194A/m, 25℃	130
			10kHz, H=1194A/m, 100℃	60
矫顽力 Coercivity	Hc	A/m	10kHz, H=1194A/m, 25℃	14
			10kHz, H=1194A/m, 100℃	13
功率损耗 Power Loss	Pcv	Kw/m ³	100kHz, 200mT, 25℃	600
			100kHz, 200mT, 60℃	-
			100kHz, 200mT, 80℃	440
			100kHz, 200mT, 100℃	550
			100kHz, 200mT, 120℃	650
居里温度 Curie Temperature	Tc	℃	10KHz, B<0. 25mT	≥215
电阻率 Resistivity	ρ	$\Omega \cdot m$	-	2. 5
密度 Density	d	g/cm ³	-	4. 80x10 ³

【注】以上所列数值均为典型值，不包括客户的特殊要求；有特殊要求时，应在订货合同或技术标准中给予明确。

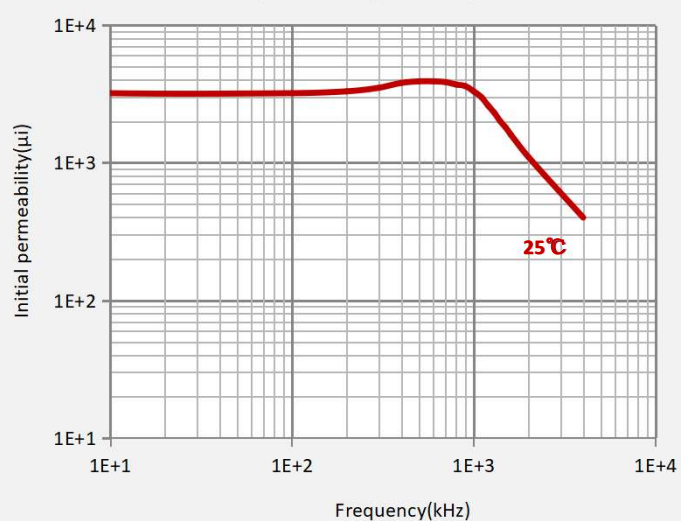
Remark:The values of material's characteristics are typical value.please contact our company for more characteristics in your order or agreement.

材料特性曲线/MATERIAL CHARACTERISTIC CURVE

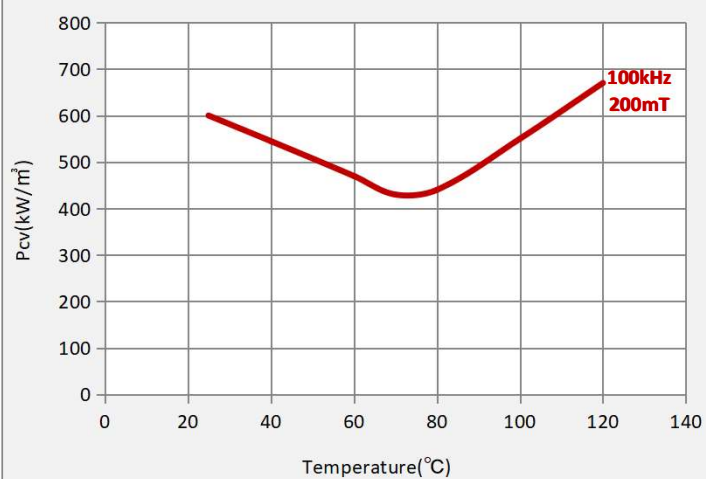
μ_i -Temperature



μ_i -Frequency



P_{cv}-Temperature



B_s, B_r-Temperature (H=1194 A/M)

