

GP90材料特性【GP90 MATERIAL CHARACTERISTICS】

材料特点(FEATURES)

- 【1】高饱和磁感应强度，低损耗/HIGH SATURATION FLUX DENSITY AND LOW CORE LOSS
- 【2】应用于中频段（小于500KHZ)/USED AT MIDDLE FREQUENCY(LESS THAN 500KHZ)
- 【3】功耗最低点在100℃左右/THE MINMUM CORE LOSS IS AROUND 100℃
- 【4】具有优质的直流叠加特性，可以做到小型化、轻量化、低损耗、高效率设计，缩减电源变压器的体积，相同承载功耗下相对于GP44，磁芯体积及重量可以降低。/WITH HIGH QUALITY DC SUPERPOSITION CHARACTERISTICS, IT CAN ACHIEVE MINIATURIZATION, LIGHTWEIGHT, LOW LOSS, HIGH EFFICIENCY DESIGN, REDUCE THE VOLUME OF POWER TRANSFORMER, EQUIVALENT TO GP44 UNDER THE SAME LOAD POWER CONSUMPTION, REDUCE THE VOLUME AND WEIGHT OF MAGNETIC CORE.

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℃	2200±25%
饱和磁通密度 Saturation Flux Density	Bs	mT	10kHz, H=1194A/m, 25℃	540
			10kHz, H=1194A/m, 100℃	450
剩磁 Remanence	Br	mT	10kHz, H=1194A/m, 25℃	170
			10kHz, H=1194A/m, 100℃	60
矫顽力 Coercivity	Hc	A/m	10kHz, H=1194A/m, 25℃	13
			10kHz, H=1194A/m, 100℃	6. 5
功率损耗 Power Loss	Pcv	Kw/m³	100kHz, 200mT, 25℃	700
			100kHz, 200mT, 60℃	-
			100kHz, 200mT, 80℃	-
			100kHz, 200mT, 100℃	320
			100kHz, 200mT, 120℃	480
居里温度 Curie Temperature	Tc	℃	10KHz, B<0. 25mT	≥250
电阻率 Resistivity	ρ	Ω . m	25℃	4. 0
密度 Density	d	g/cm³	25℃	4. 90

【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.

