

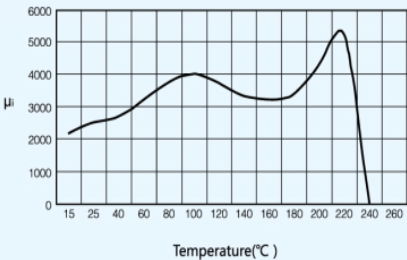
Soft Ferrite

The Curves of
Material Characteristic

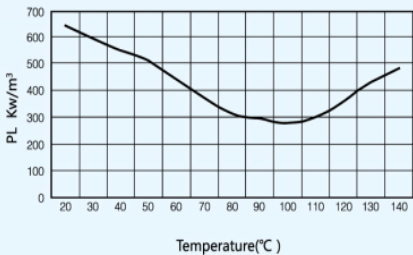
FP47 Material MnZn

材料牌号	Material	Unit symbol	FP47
初始磁导率	Initial Permeability	μ_i	2500±25%
剩磁	Remanence	Br (mT)	110
矫顽力	Coercivity	Hc (A/m)	13
饱和磁通密度	Saturation Magnetic Flux Density	Bs (MT) 25~100℃	520~420
居里温度	Curie Temperature	Tc (8C)	>215
电阻率	Electrical Resistivity	$\rho(\Omega \cdot m)$	7
功率损耗	Power Loss (F100KHz B200mT)	(Kw/m ³)25~80~100℃	600~310~280
密度	Density	d (kg /m ³)	4.9 × 10 ³

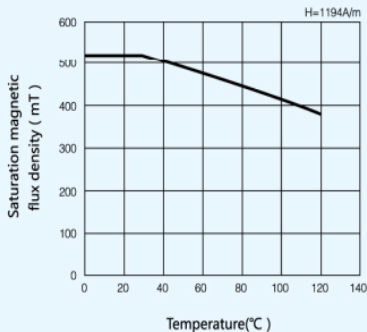
Permeability VS Temperature



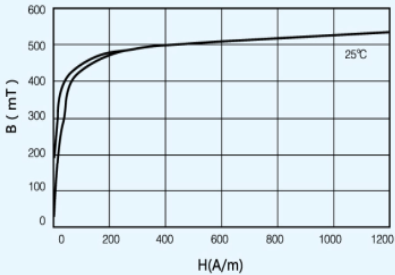
Power loss VS Temperature
100KHz 200mT



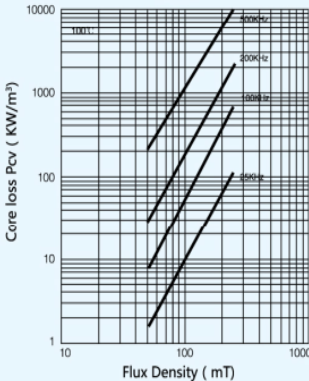
Bs-Temperature



B-H



Pcv-Bm



Initial Permeability VS Frequency

