

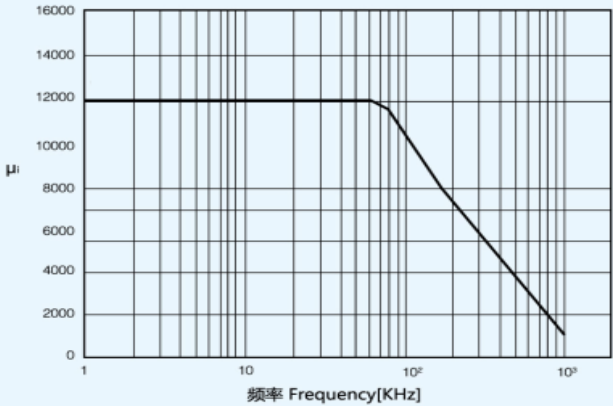
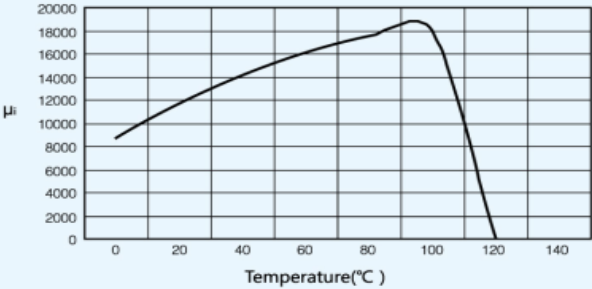
Soft Ferrite

The Curves of
Material Characteristic

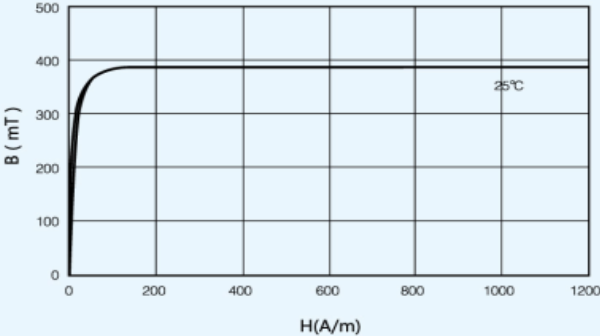
FH12 Material MnZn

材料牌号	Material	Unit symbol	FH12
初始磁导率	Initial Permeability	μ_i	12000±25%
剩磁	Remanence	Br (mT)	90
矫顽力	Coercivity	Hc (A/m)	4.4
饱和磁通密度	Saturation Magnetic Flux Density	Bs (MT) 25℃	390(1194A/m)
居里温度	Curie Temperature	Tc (8C)	>115
电阻率	Electrical Resistivity	$\rho(\Omega \cdot m)$	0.15
相对温度系数	Power Loss (F100KHz B200mT)	$\alpha \mu_i r (\times 10^{-6}/^{\circ}C)$	$\begin{matrix} -0.5-2 \\ -30\sim 20^{\circ}C \end{matrix}$ $\begin{matrix} -0.5-1.5 \\ 20\sim 70^{\circ}C \end{matrix}$
密度	Relative Temperature Coefficient	d (kg /m ³)	4.95×10 ³
相对损耗因素	Relative Loss Factor	Tan δ /μ _i (×10 ⁻⁶ X1/K)	≤7(10KHz)
减落因素	Disaccommodation Factor	DF(×10 ⁻⁶)	≤2

Permeability VS Temperature



B-H



tanδ vs Frequency

