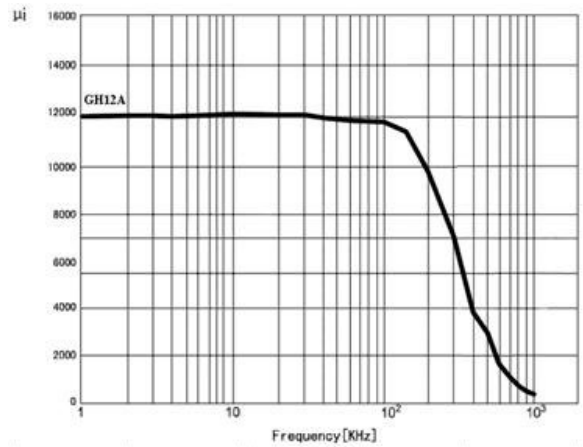
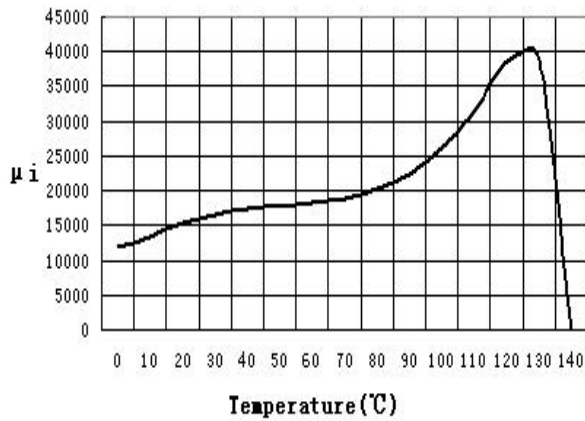


# GH12A Material Characteristics

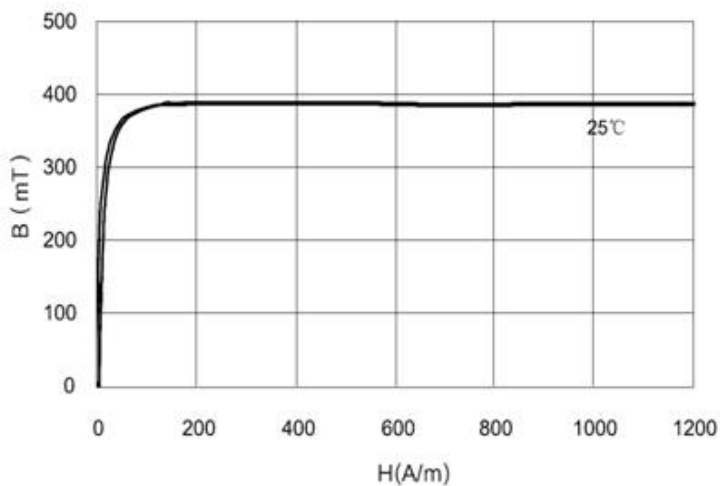
Characteristic	Symbol	Unit	GH12A
Initial Permeability	$\mu_i$		12000 $\pm 25\%$
Relative Loss Factor	$\frac{\tan \delta}{\mu_i}$	$* 10^{-6}$	$\leq 7$ (10kHz)
Saturation Flux Density	Bs 25°C	mT	390
			1194A/m
Remanence	Br	mT	90
Coercivity	Hc	A/m	4.4
Curie Temperature	Tc	°C	>120
Resistivity	$\rho$	$\Omega \cdot m$	0.15
Density	d	$Kg/m^3 * 10^3$	4.95
Relative Temperature Coefficient	$\alpha_{\mu_r}$	$* 10^{-6} \cdot 1/K$	-0.5~2.0 -30~20°C -0.5~1.5 20~70°C
Disaccommodation Factor	D <sub>F</sub>	$* 10^{-6}$	$\leq 2$
The values are obtained by T25 test cores. The data may have some adjustments according to specific products.			

# GH12A Material Characteristics Curve

GH12A Permeability VS Temperature



B-H



tan δ VS Frequency

