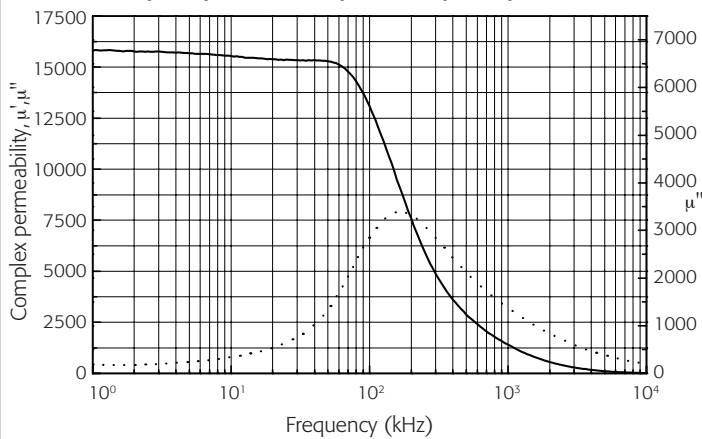


High Permeability Material

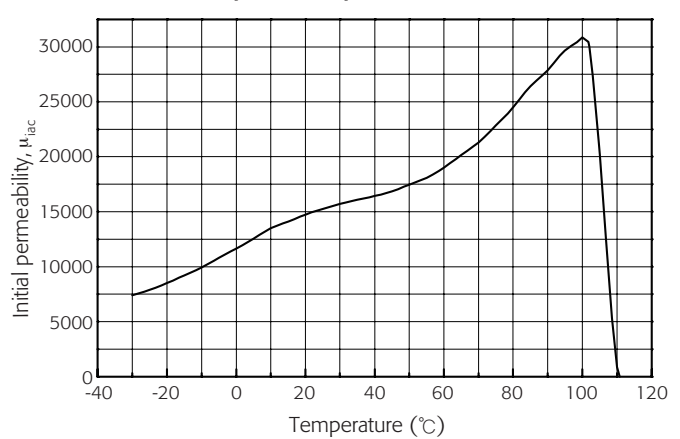
Material	SM-150			
Initial permeability	μ_{iac}			15000 \pm 30%
Relative loss factor	$\tan\delta/\mu_{iac}$	$\times 10^{-6}$	f:10kHz	< 5.0
Saturation flux density (1194A/m)	Bs	mT	25°C	360
Remanence	Br	mT	25°C	100
Coercivity	Hc	A/m	25°C	1
Relative temp. factor	$\alpha\mu_r$	$\times 10^{-6}/^\circ\text{C}$	20~60°C	-0.5~2.0
Hysterisis material constant	η_B	$\times 10^{-6}/\text{mT}$	10kHz, 25°C	< 0.3
Curie temperature	Tc	°C		> 100
Density	d	kg/m ³		5.00 $\times 10^3$
Resistivity	ρ	$\Omega\cdot\text{m}$	25°C	> 0.15

Note : 1) Typical values
2) The values were obtained with toroidal cores(30X8-20H) at room temperature unless indicated otherwise

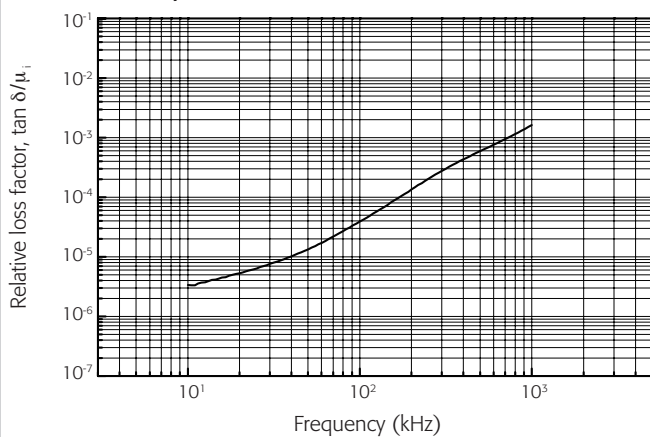
Complex permeability vs. Frequency



Permeability vs. Temperature



$\tan \delta/\mu_i$ vs. Frequency



Bm vs. Hm

