

High Permeability Material

Material	SM-100			
Initial permeability	μ_{iac}			10000 \pm 25%
Relative loss factor	$\tan\delta/\mu_{iac}$	$\times 10^{-6}$	f:10kHz	< 3.0
Saturation flux density (1194A/m)	Bs	mT	25°C	410
Remanence	Br	mT	25°C	90
Coercivity	Hc	A/m	25°C	3
Relative temp. factor	$\alpha\mu_r$	$\times 10^{-6}/^\circ\text{C}$	20~60°C	-0.15~2.0
Hysteresis material constant	η_B	$\times 10^{-6}/\text{mT}$	10kHz, 25°C	< 0.4
Curie temperature	Tc	°C		> 120
Density	d	kg/m ³		4.95 $\times 10^3$
Resistivity	ρ	$\Omega\cdot\text{m}$	25°C	> 0.2

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

