

High Q Material

Material			SM-23T	
Initial permeability	μ_{iac}			2300 ±25%
Relative loss factor	$\tan\delta/\mu_{iac}$	$\times 10^{-6}$	f:100kHz	< 3
Saturation flux density (1194A/m)	Bs	mT	25°C	460
Remanence	Br	mT	25°C	60
Coercivity	Hc	A/m	25°C	10
Relative temp. factor	$\alpha\mu_r$	$\times 10^{-6}/\text{°C}$	-30~20°C	-0.5~0.5
			0~20°C	-0.5~0.5
			20~70°C	0~1.0
Hysterisis material constant	η_B	$\times 10^{-6}/\text{mT}$	10kHz, 25°C	< 0.5
Curie temperature	Tc	°C		> 170
Density	d	kg/m ³		4.80×10 ³
Resistivity	ρ	$\Omega\cdot\text{m}$	25°C	> 7

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

