

Stable Permeability Material for Temp. Change

Material			ST-40B	
Initial permeability	μ_{iac}			4300 ±25%
Relative loss factor	$\tan\delta/\mu_{iac}$	$\times 10^{-6}$	f:100kHz	< 3.0
Saturation flux density (1194A/m)	Bs	mT	25°C	550
			100°C	440
Remanence	Br	mT	25°C	100
Coercivity	Hc	A/m	25°C	8
Relative temp. factor	$\alpha\mu r$	$\times 10^{-6}/\text{°C}$	5~25°C	1.5~3.0
			25~55°C	-3.0~-1.0
Hysterisis material constant	η_B	$\times 10^{-6}/\text{mT}$	10kHz, 25°C	< 0.15
Curie temperature	Tc	°C		> 260
Density	d	kg/m ³		4.90×10 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

