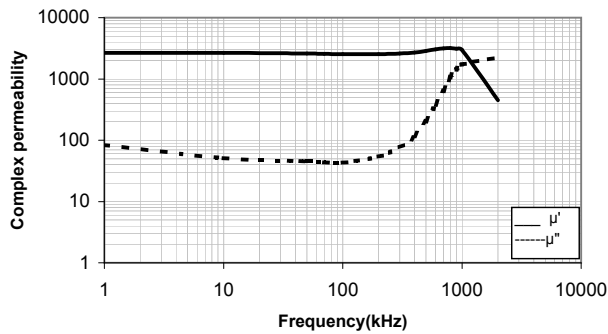


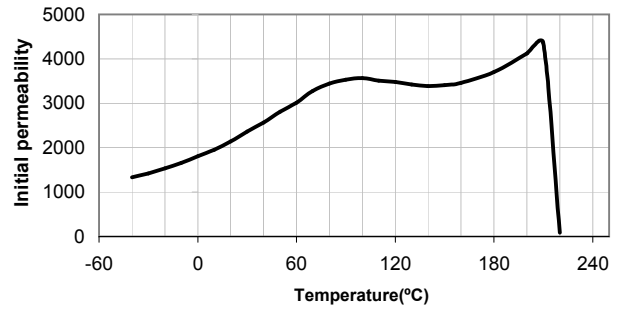
MSB-7C : Power Transformer Grade

Properties	Symbol	Unit	Test condition	Values
Initial permeability ($\pm 25\%$)	μ_i		0.1mT, 25°C	2400
Flux density (min)	Bs	mT	1200A/m, 25°C	500
			1200A/m, 100°C	380
Coercive Field (max)	Hc	A/m	10KHz, 25°C	10
Hysteris material Coefficient (max)	η_B	$10^{-6}/mT$	25°C	1.2
Curie Temperature (min)	Tc	°C		220
Density (min)	d	kg/m ³	25°C	4800
Temperature Coeff. of permeability (max)	α_F	$10^{-6}/K$	-40 to 80°C	4
Resisitivity (min)	ρ	Ωm	25°C	6
Powerloss (max)	Pc	mW/cc	100kHz, 200mT, 100°C	600

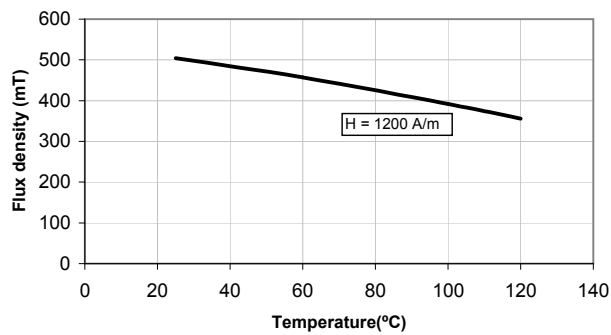
MSB-7C: Complex permeability vs. Frequency



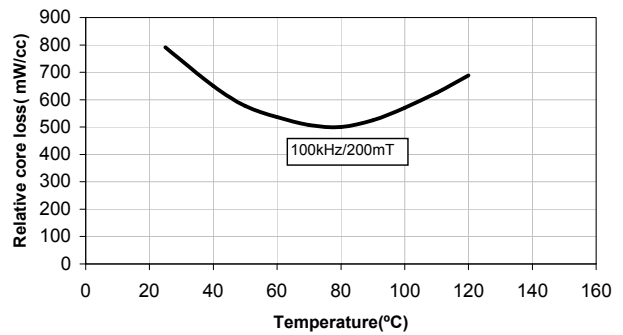
MSB-7C: Initial permeability vs Temperature



MSB-7C: Flux density vs Temperature



MSB-7C: Relative core losses vs temperature



All measurements made on Toroid OD= 30mm, ID=20mm Ht=10mm.