

DATA SHEET

MB92

Materials specification

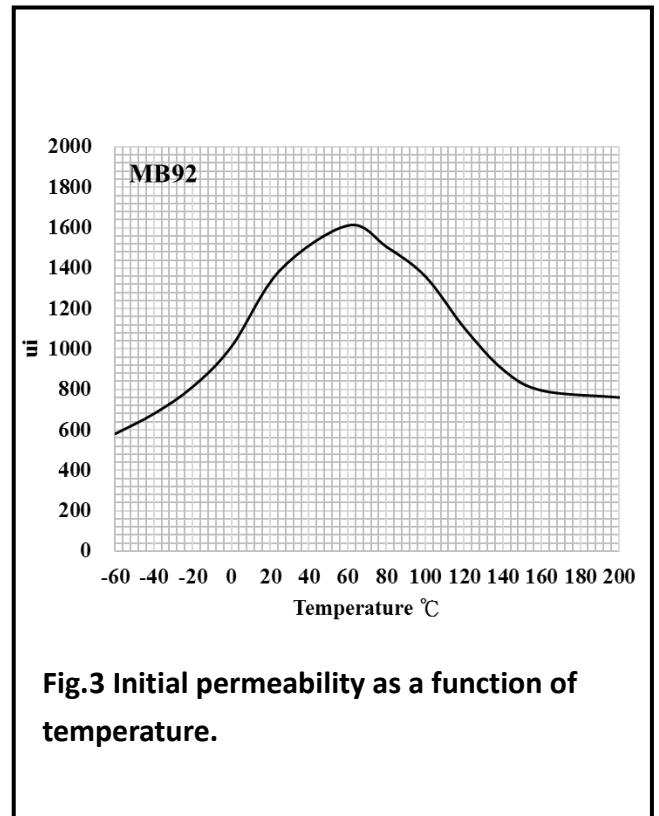
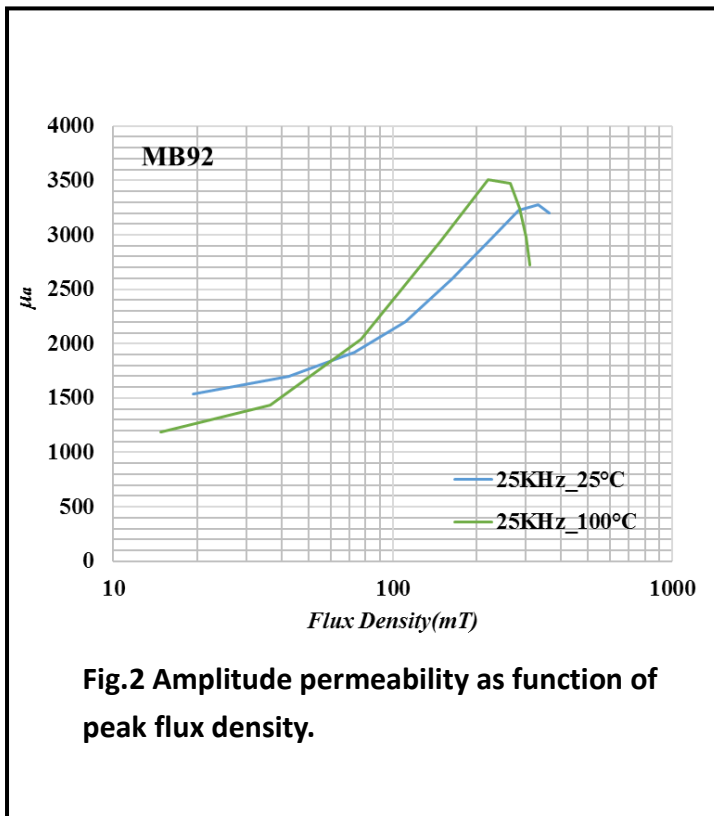
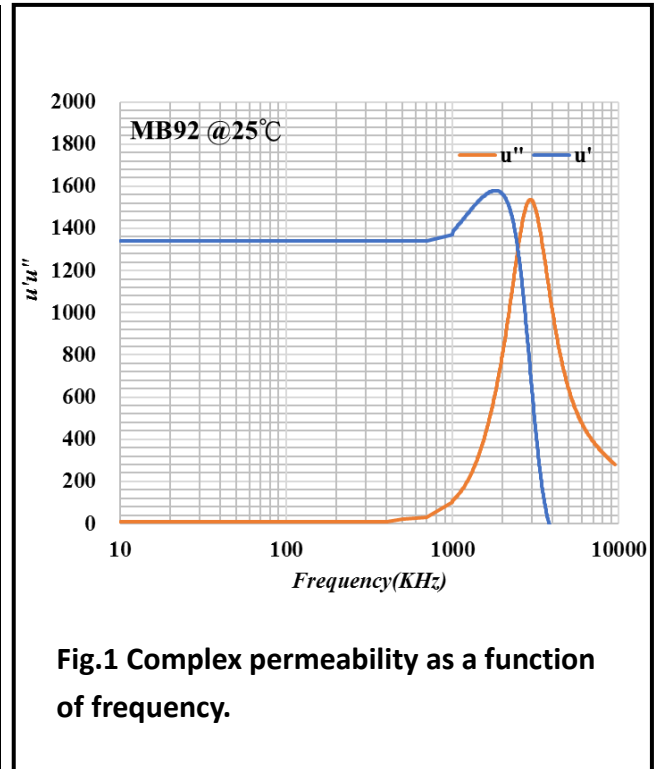
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MB92 SPECIFICATIONS

	CONDITIONS	VALUE	UNIT
μ_i	25°C; ≤ 10 kHz; 0.25mT	1400 $\pm 20\%$	
μ_a	100°C; 25kHz; 200mT	3400	
Bs	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	600 515	mT
Br	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	140 300	mT
Hc	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	28 26	A/m
Pv	25°C ; 25kHz; 200mT 100°C ; 25kHz; 200mT 25°C ; 100kHz; 200mT 100°C ; 100kHz; 200mT	300 240 1050 1240	kW/m ³
ρ	DC; 25°C	5	Ωm
Tc		≥ 280	°C
Density		4900	kg/m ³



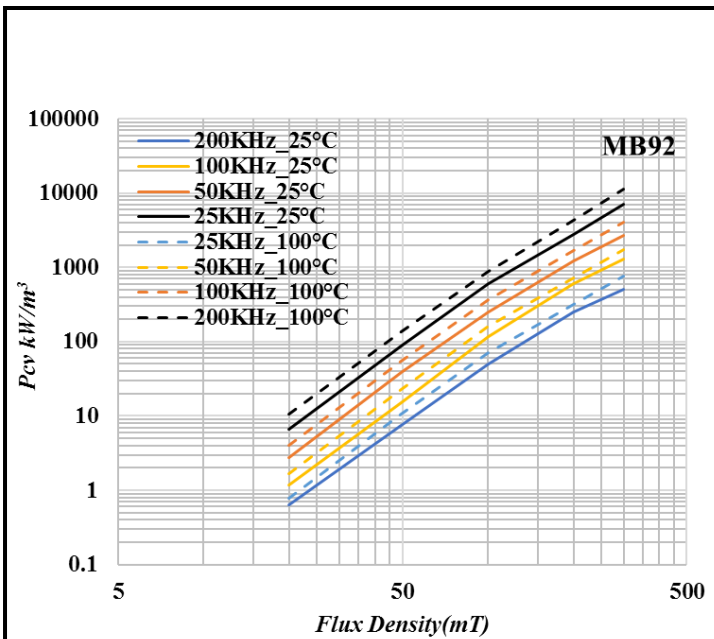


Fig.4 Specific power loss as a function of peak flux density with frequency as a parameter.

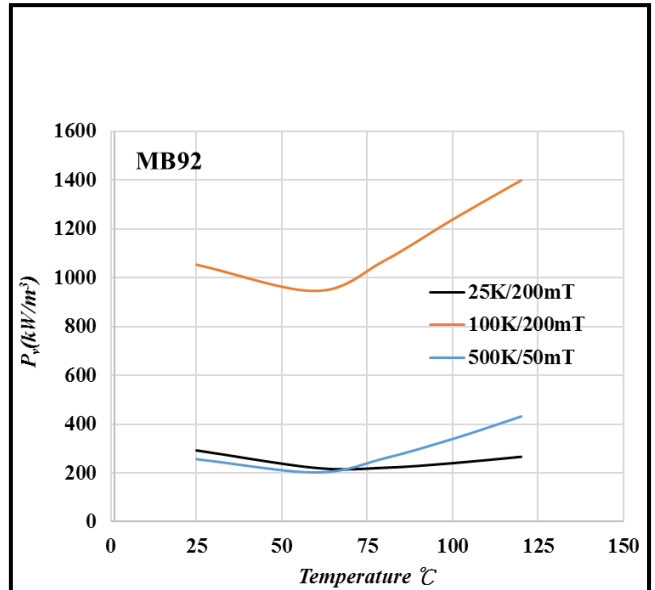


Fig.5 Specific power loss for several frequency/flux density combinations as a function of temperature.

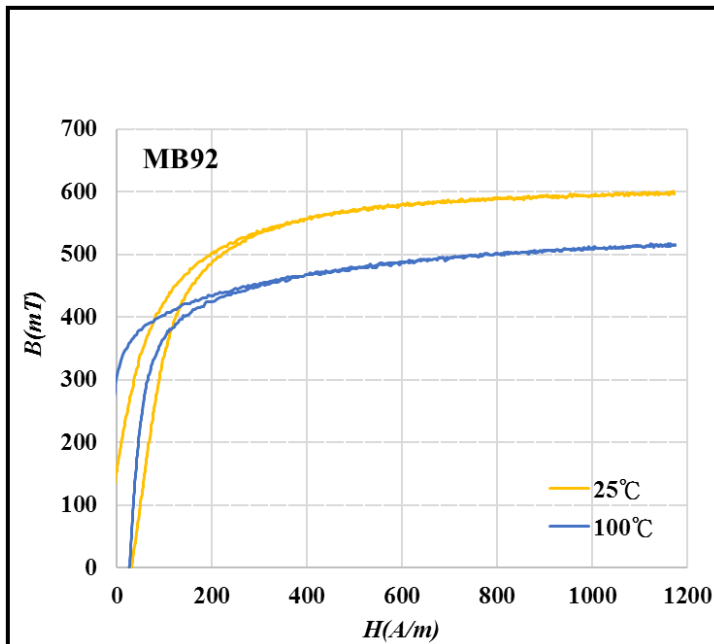


Fig.6 Typical B-H loops of 25°C & 100°C

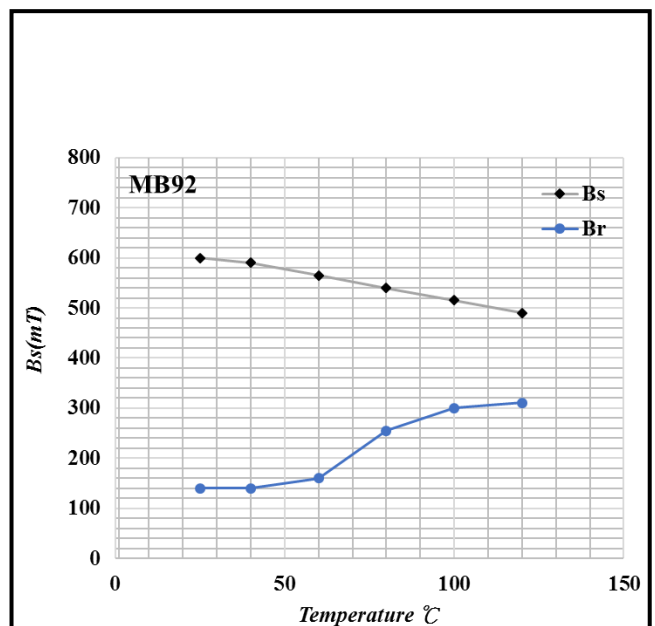


Fig.7 B_s & B_r VS Temperature

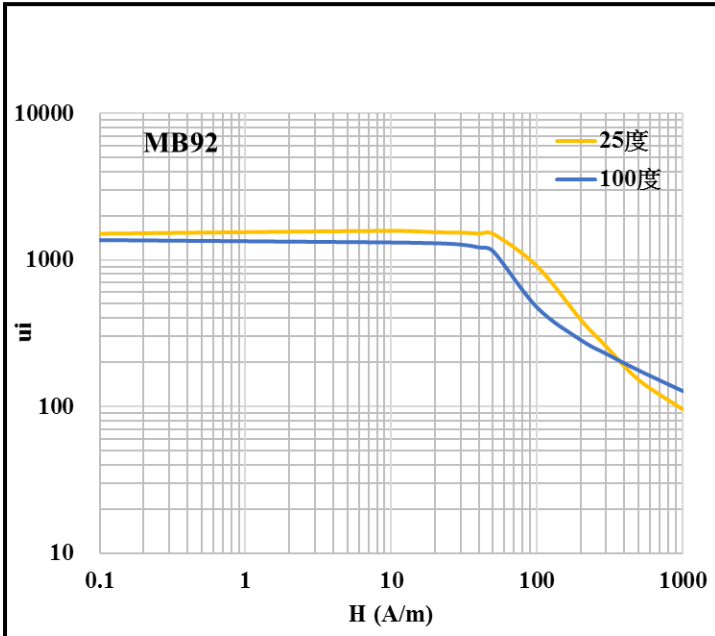


Fig.4 Initial permeability as a function of magnetic Field Strength.