

DATA SHEET

MF93S

High Frequency and Low loss material

recommended to use at frequencies of 500KHz~3MHz.

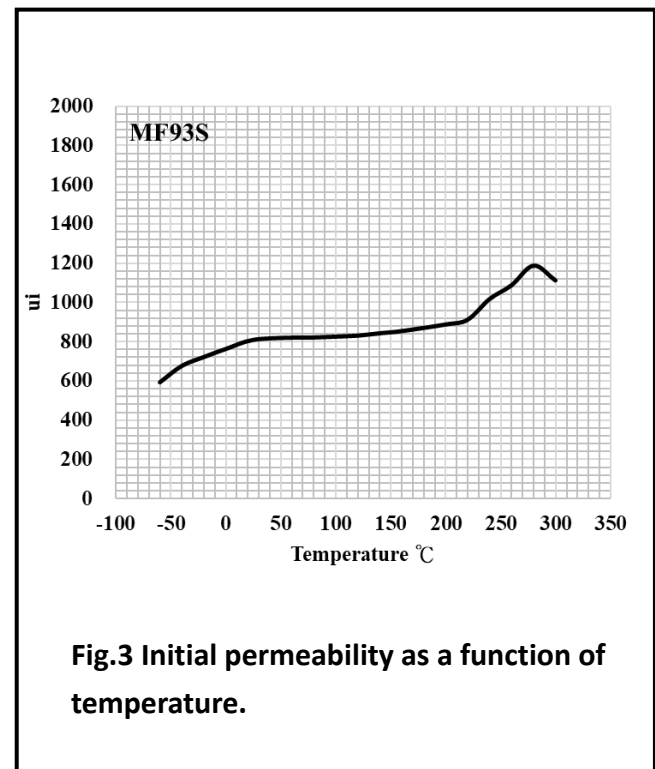
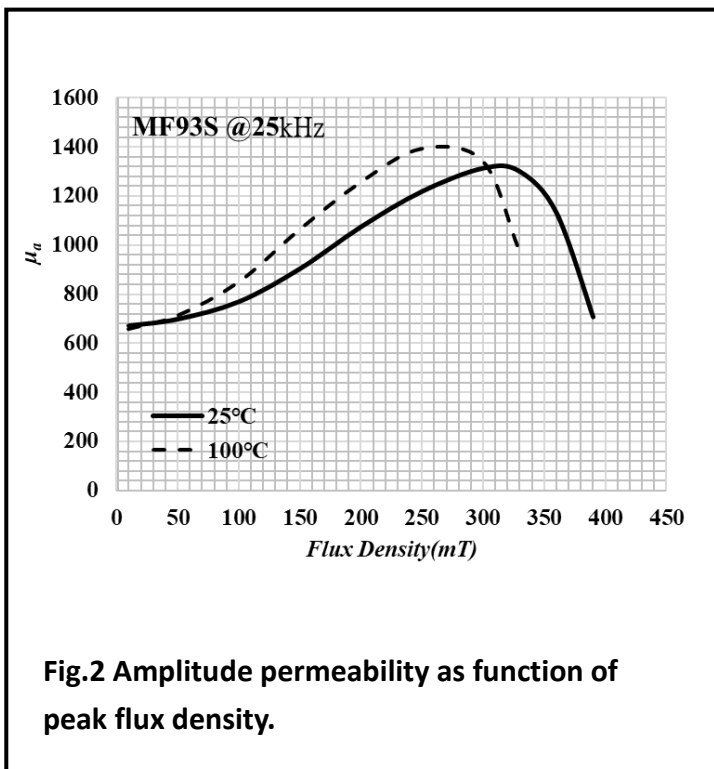
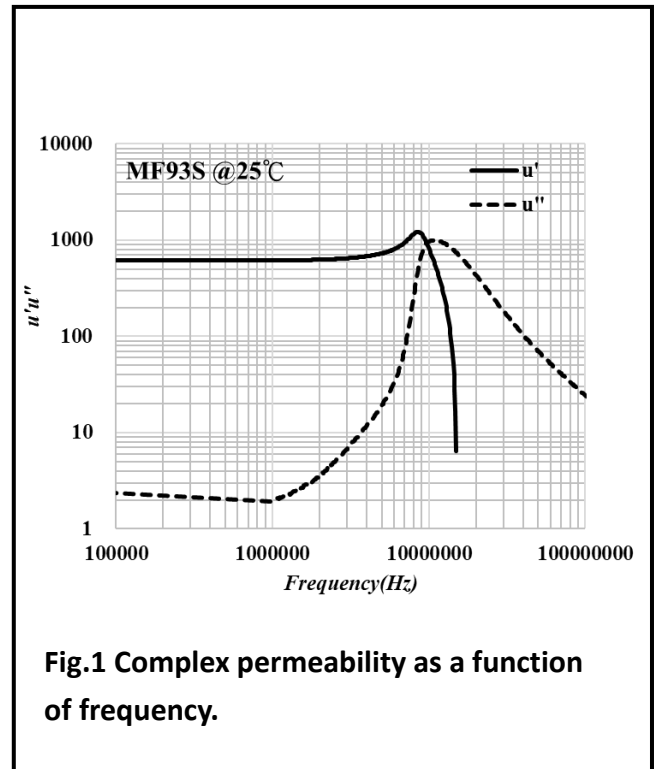
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MF93S SPECIFICATIONS

	CONDITIONS	VALUE	UNIT
μ_i	25°C; ≤ 10 kHz; 0.25mT	700 \pm 20%	
μ_a	100°C; 25 kHz; 200mT	1250	
Bs	25°C; 10 kHz; 1200A/m	530	mT
	100°C; 10 kHz; 1200A/m	430	
Br	25°C; 10 kHz; 1200A/m	100	mT
	100°C; 10 kHz; 1200A/m	105	
Hc	25°C; 10 kHz; 1200A/m	59	A/m
	100°C; 10 kHz; 1200A/m	52	
Pv	25°C; 1000kHz; 50mT	70	kW/m ³
	100°C; 1000kHz; 50mT	80	
	25°C; 3000kHz; 30mT	160	
	100°C; 3000kHz; 30mT	230	
ρ	DC; 25°C	10	Ω m
Tc		≥ 290	°C
Density		4750	kg/m ³



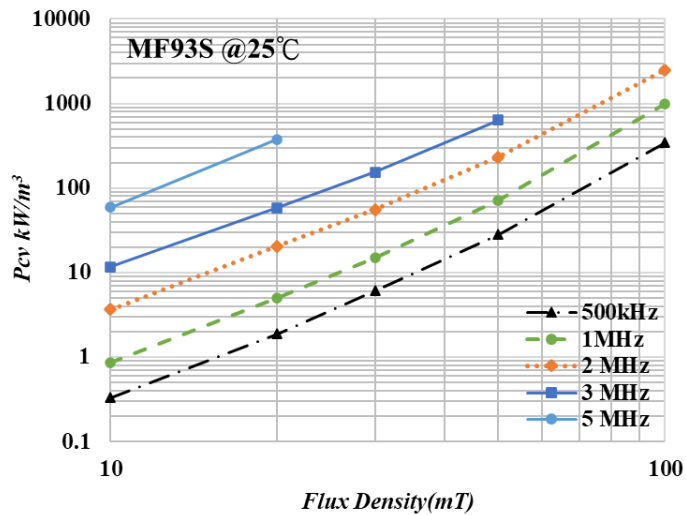


Fig.4 Specific power loss as a function of peak flux density with frequency as a parameter.

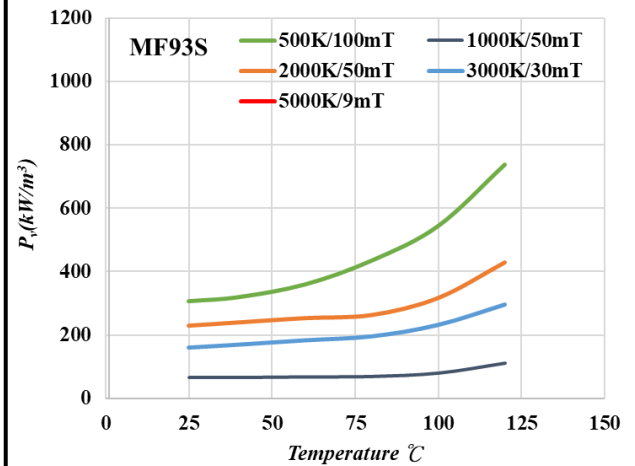


Fig.5 Specific power loss for several frequency/flux density combinations as a function of temperature.

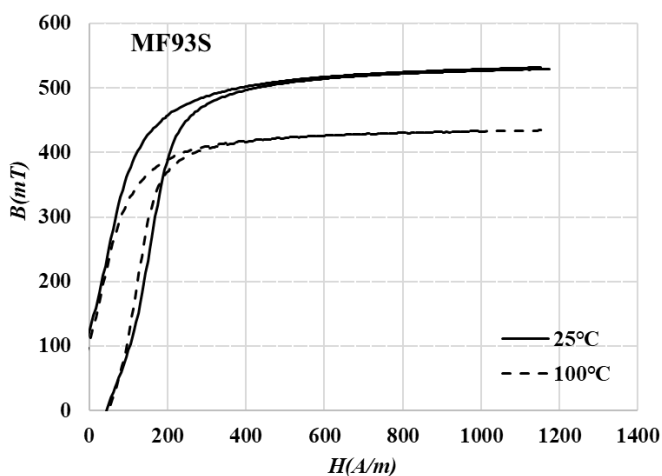


Fig.6 Typical B-H loops of 25°C & 100°C

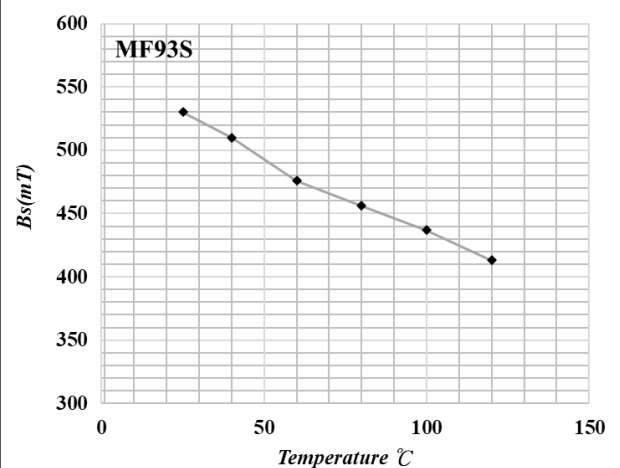


Fig.7 Bs VS Temperature

