

DATA SHEET

MF91S

Materials specification

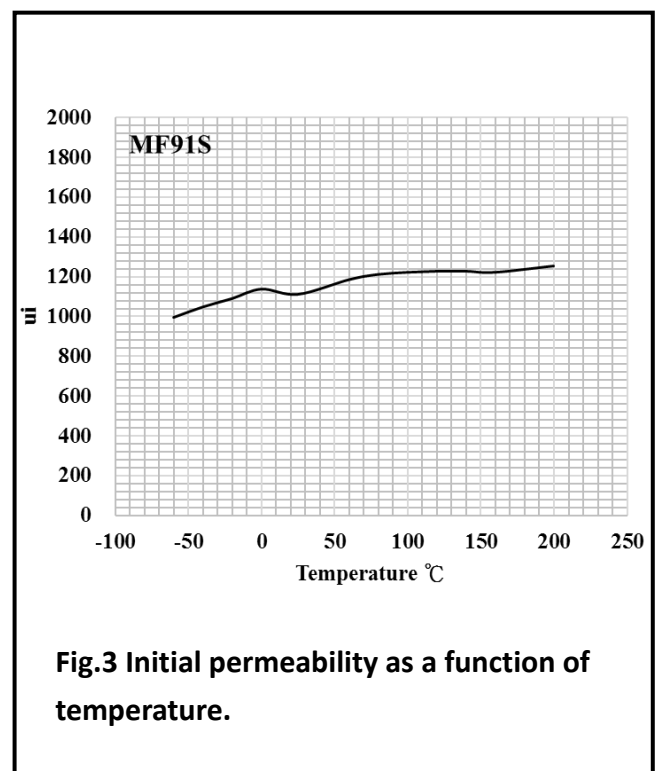
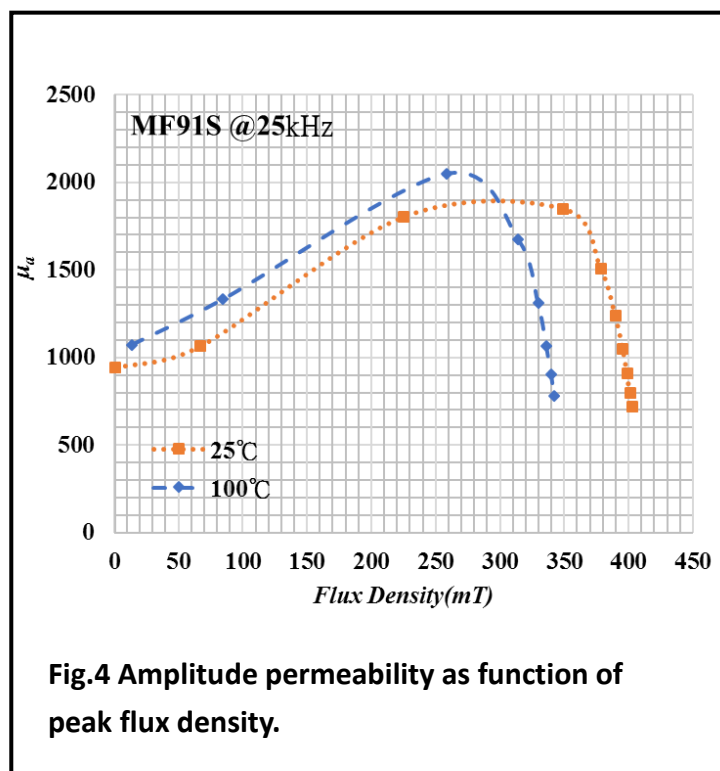
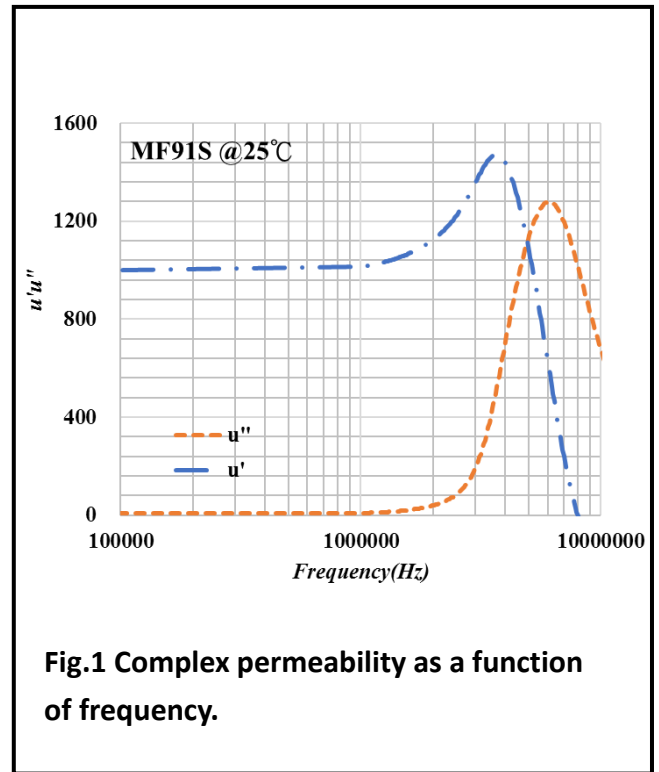
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MF91S SPECIFICATIONS

	CONDITIONS	VALUE	UNIT
μ_i	25°C; ≤ 10 kHz; 0.25mT	1000 \pm 20%	
μ_a	100°C; 25 kHz; 200mT	1850	
B	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	510 430	mT
Br	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	158 195	mT
Hc	25°C; 10 kHz; 1200A/m 100°C; 10 kHz; 1200A/m	40 37	A/m
Pv	25°C; 1000kHz; 50mT 100°C; 1000kHz; 50mT 25°C; 3000kHz; 10mT 100°C; 3000kHz; 10mT	190 155 55 50	kW/m ³
ρ	DC; 25°C	10	Ω m
Tc		≥ 290	°C
Density		4800	kg/m ³



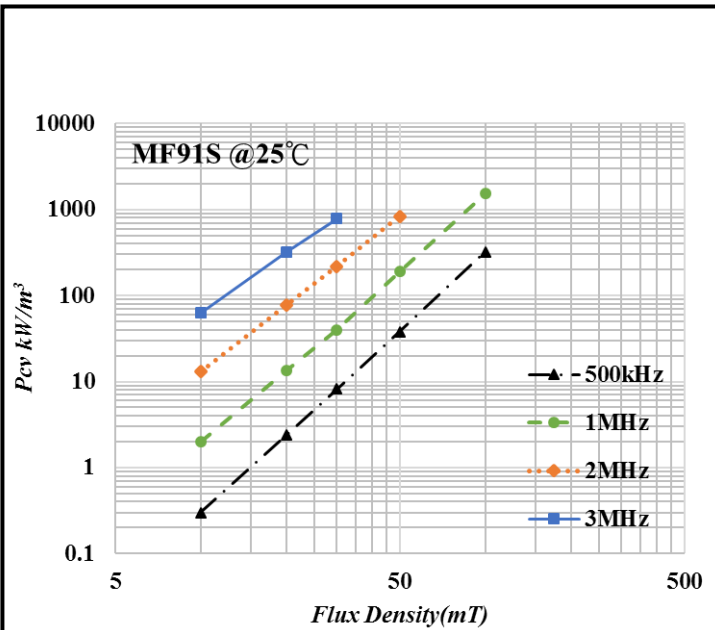


Fig.2 Specific power loss as a function of peak flux density with frequency as a parameter.

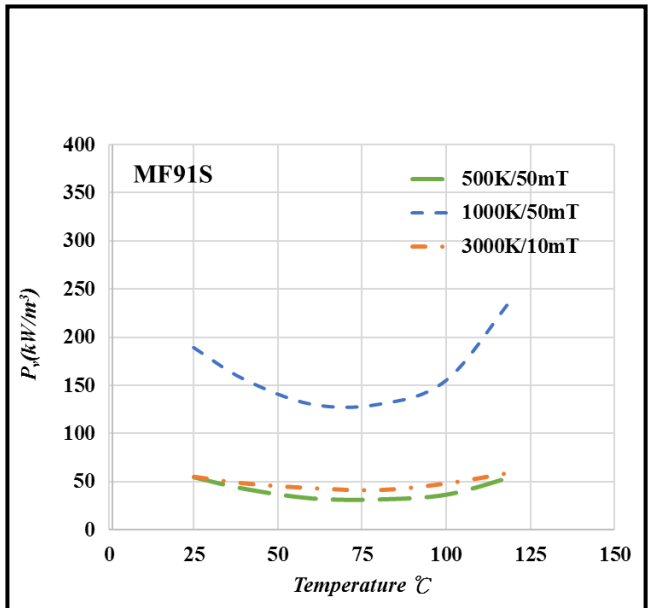


Fig.3 Specific power loss for several frequency/flux density combinations as a function of temperature.

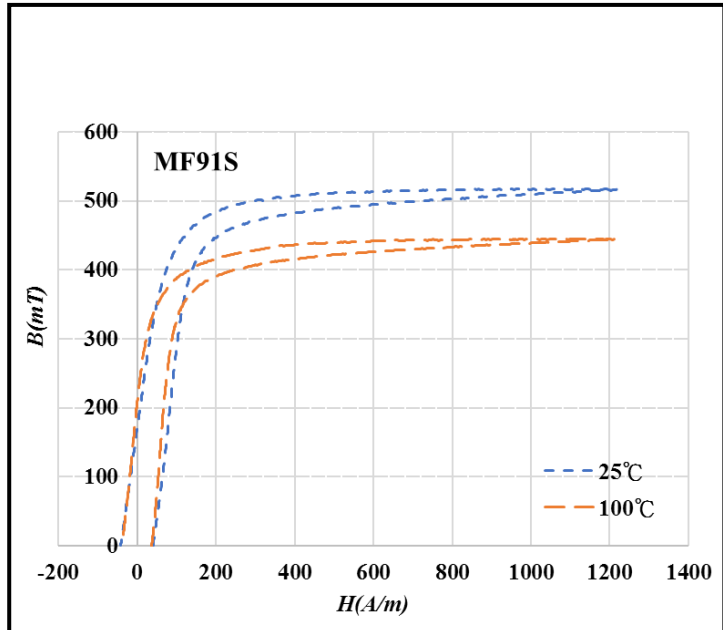


Fig.6 Typical B-H loops of 25°C & 100°C

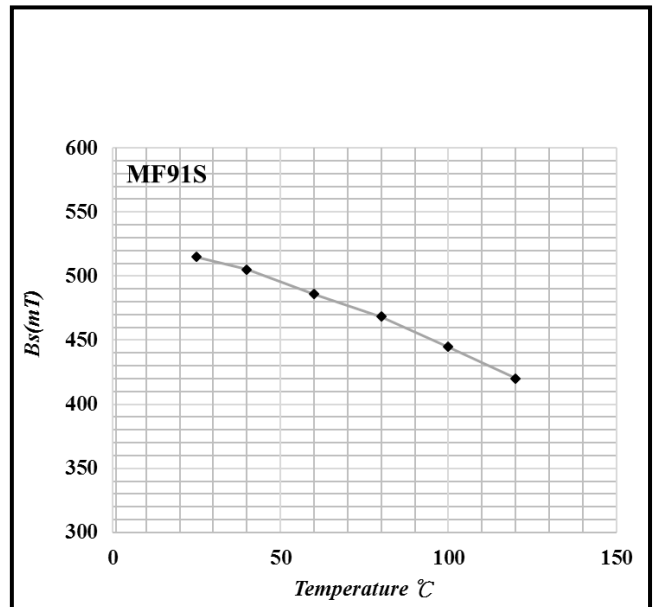


Fig.5 Bs VS Temperature