

DATA SHEET

MZ95

Materials specification

2019/05/02



高科磁技股份有限公司
中鋼集團

Materials specification

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MZ95 SPECIFICATIONS

	CONDITIONS	VALUE	UNIT
μ_i	25°C; ≤ 10 kHz; 0.25 mT	$3100 \pm 20\%$	
μ_a	25°C; ≤ 100 kHz; 200 mT	3800	
B	25°C; 10 kHz; 1200 A/m 100°C; 10 kHz; 1200 A/m	520 410	mT
Br	25°C; 10 kHz; 1200 A/m 100°C; 10 kHz; 1200 A/m	84 60	mT
Hc	25°C; 10 kHz; 1200 A/m 100°C; 10 kHz; 1200 A/m	10 8	A/m
Pv	25°C; 100 kHz; 200 mT 100°C; 100 kHz; 200 mT	360 310	kW/m ³
ρ	DC; 25°C		Ωm
Tc		≥ 215	°C
Density		4900	kg/m ³

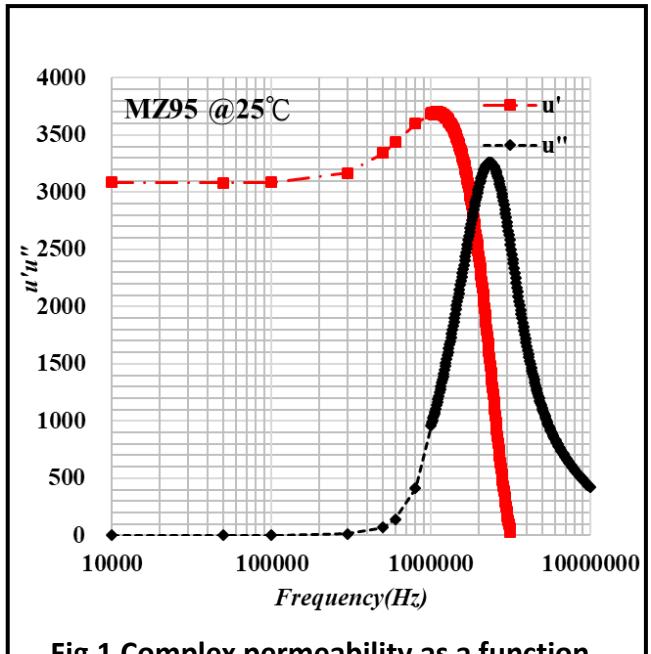


Fig.1 Complex permeability as a function of frequency.

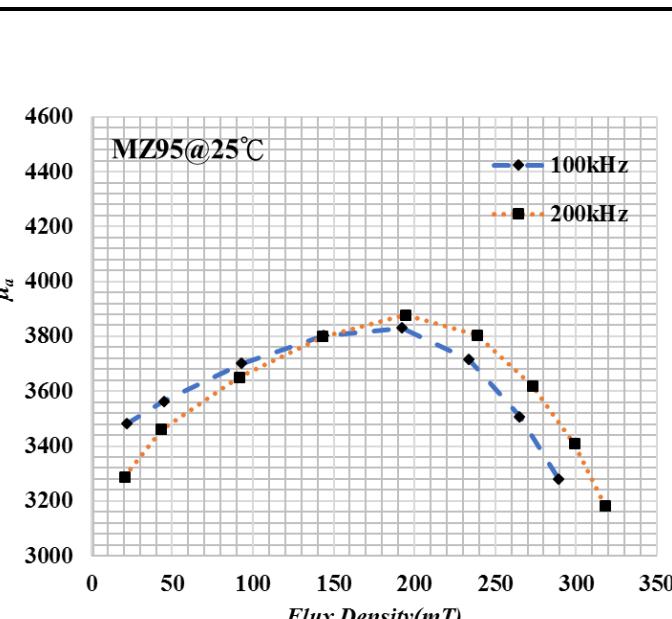


Fig.2 Amplitude permeability as function of peak flux density.

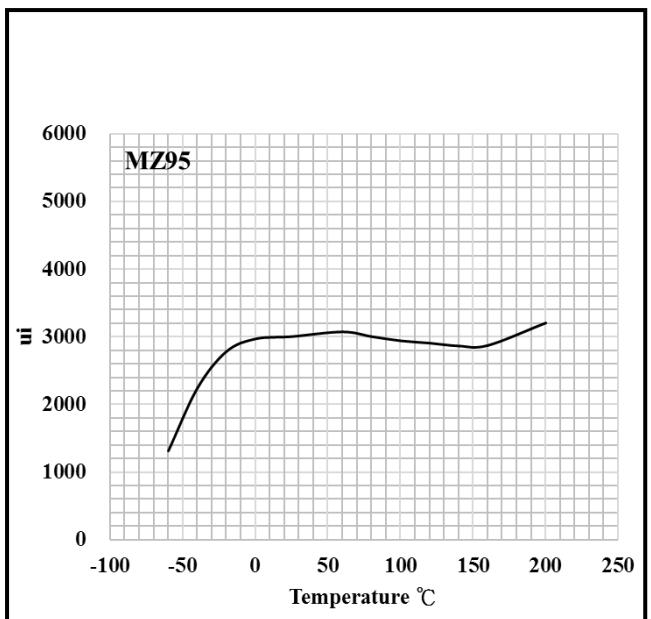


Fig.3 Initial permeability as function of temperature.

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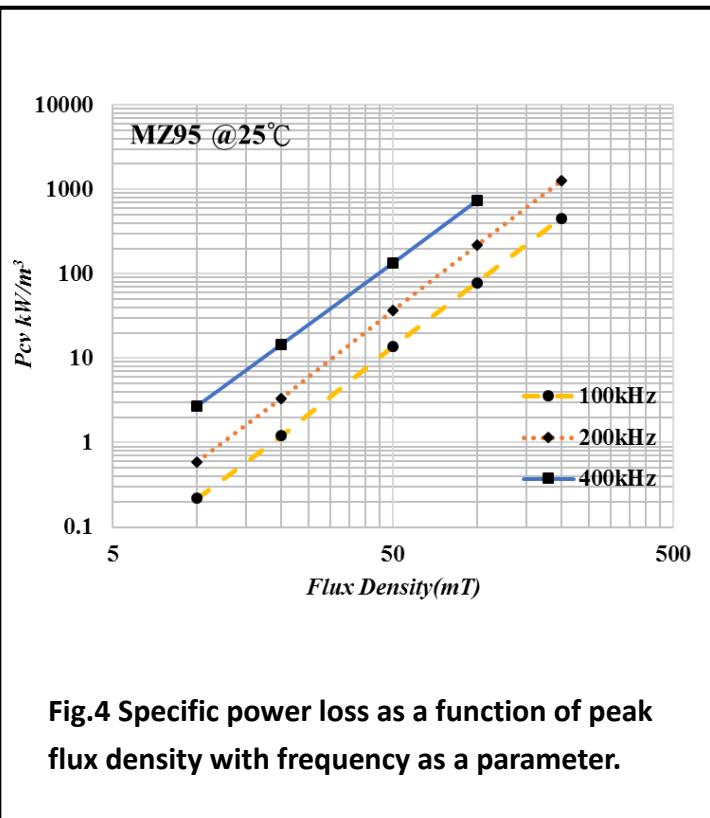


Fig.4 Specific power loss as a function of peak flux density with frequency as a parameter.

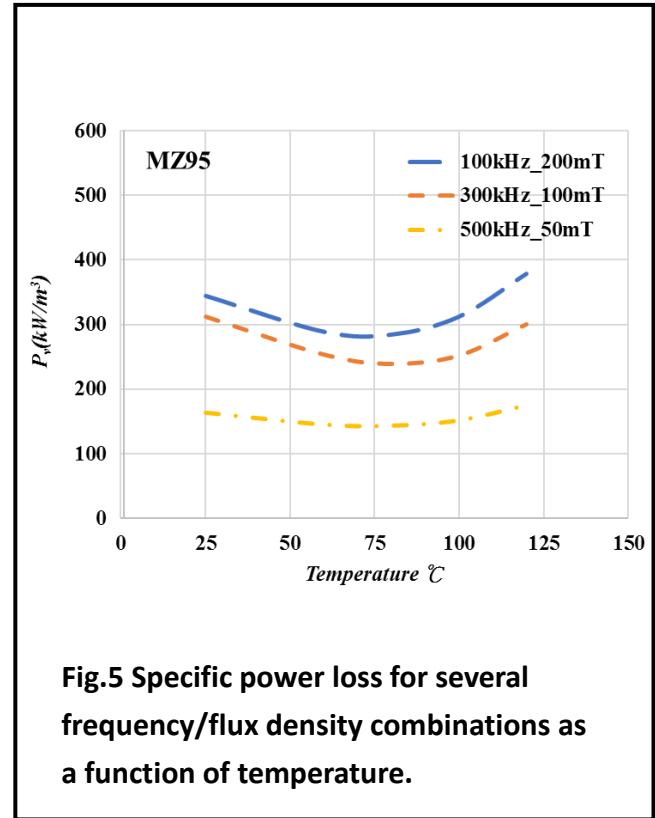


Fig.5 Specific power loss for several frequency/flux density combinations as a function of temperature.

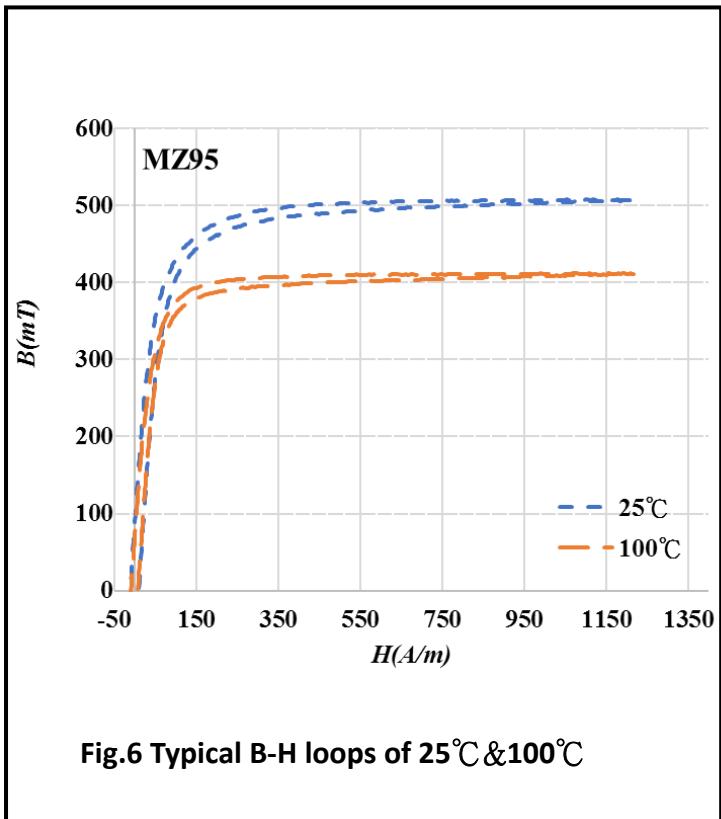


Fig.6 Typical B-H loops of 25°C & 100°C

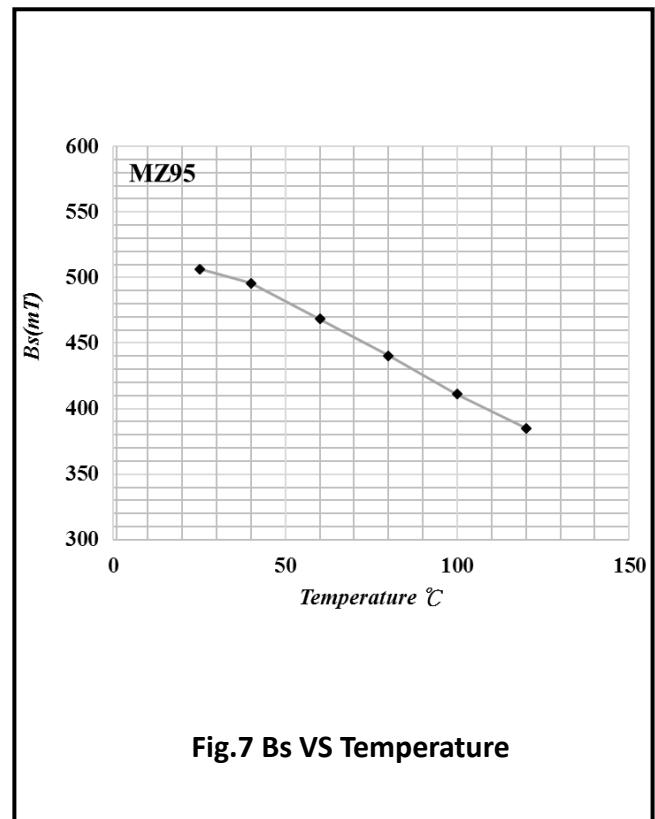


Fig.7 Bs VS Temperature