DATA SHEET

MB39

Materials specification

2022/02/17

高科磁技股份有限公司
中鋼集團

Materials specification MB39

MB39 SPECIFICATIONS

	CONDITIONS	VALUE	UNIT
μi	25℃;≦10 kHz;0.25mT	3100± 25%	
Bs	25℃;10 kHz;1200A/m 100℃; 10 kHz;1200A/m	530 430	mT
Br	25℃;10 kHz;1200A/m 100℃; 10 kHz;1200A/m	70 125	mT
Hc	25℃;10 kHz;1200A/m 100℃; 10 kHz;1200A/m	0.13 0.16	Oe
α F	10kHz,20~78℃,<0.25mT	-1~1	10^{-6}/℃
ρ	DC;25℃		Ωm
Tc		≧260	℃
Density		4900	kg/m^3

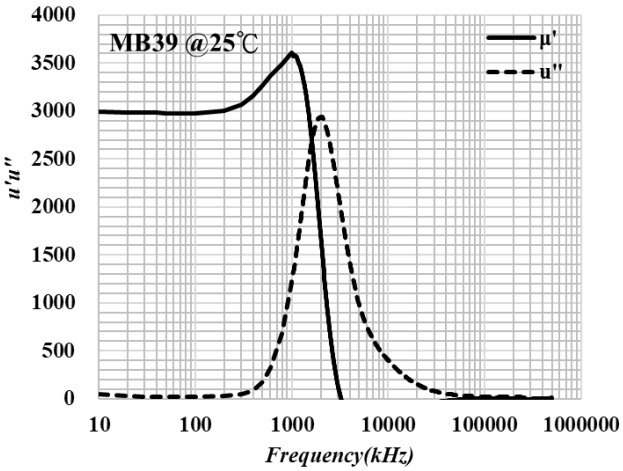

Fig.1 Complex permeability as a function of frequency.

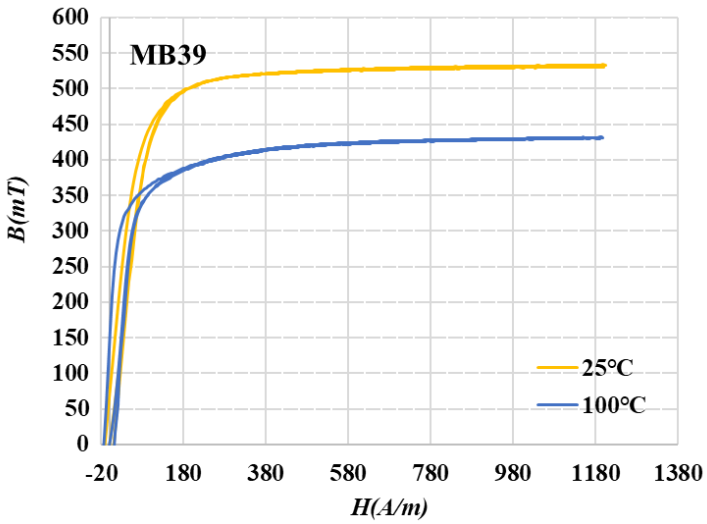

Fig.2 Typical B-H loops of 25℃&100℃

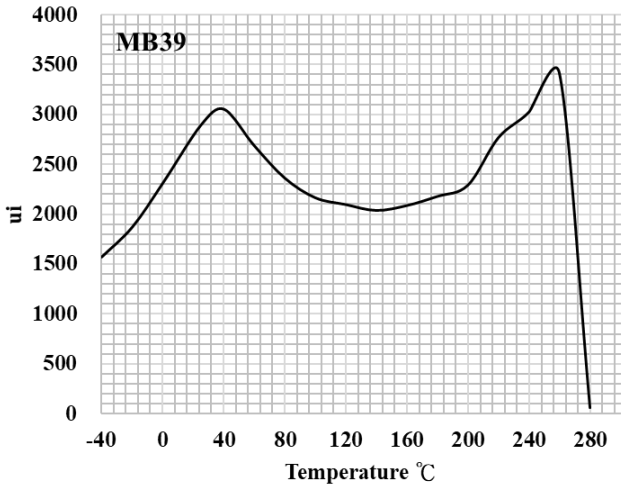

Fig.3 Initial permeability as a function of temperature.

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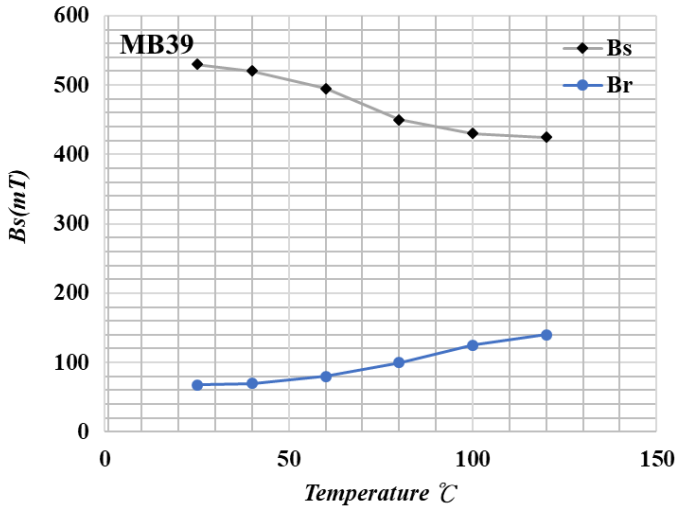

Fig.4 Bs&Br VS Temperature.

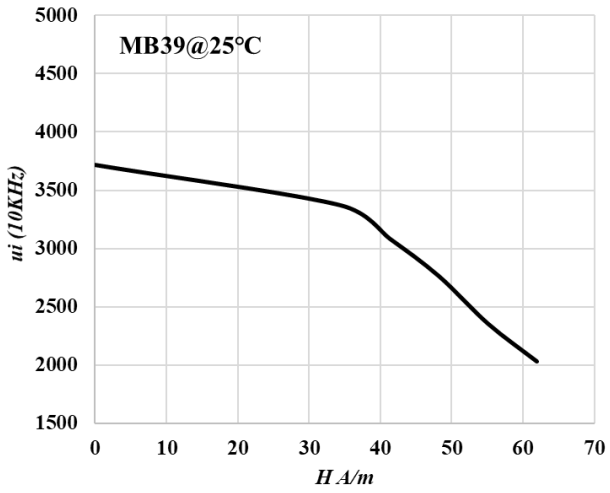

Fig.5 At a specific temperature, Initial permeability as a function of current.

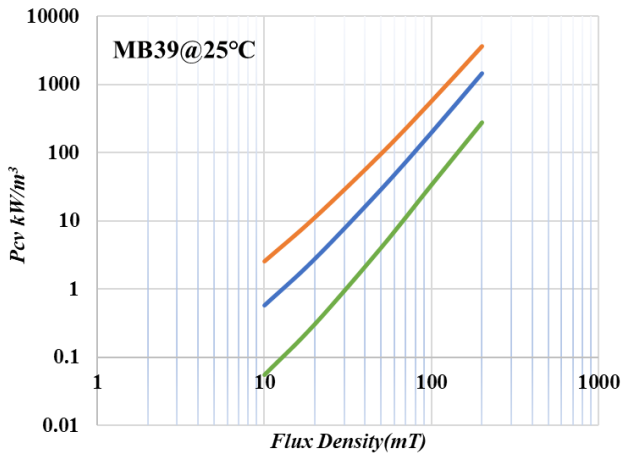

Fig.6 Specific power loss as a function of peak flux density with frequency as a parameter.

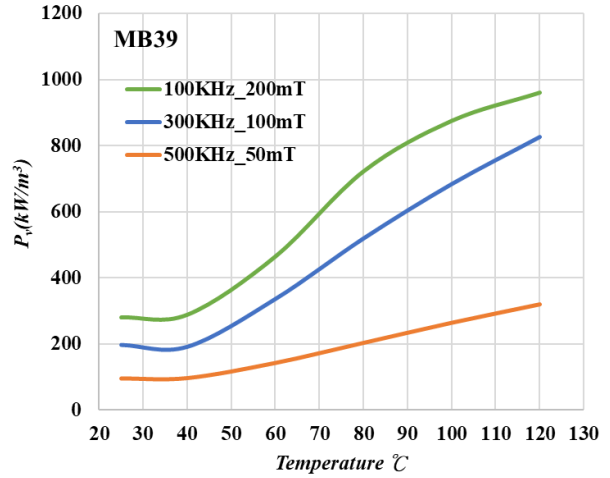

Fig.7 Specific power loss for several frequency/flux density combinations as a function of temperature.