

DATA SHEET

MB92

Materials specification

2019/11/20



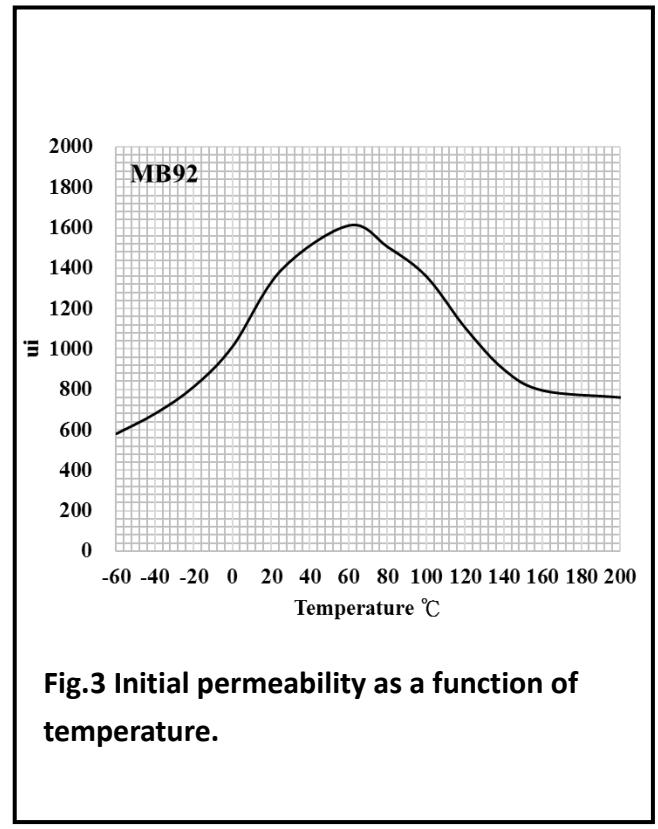
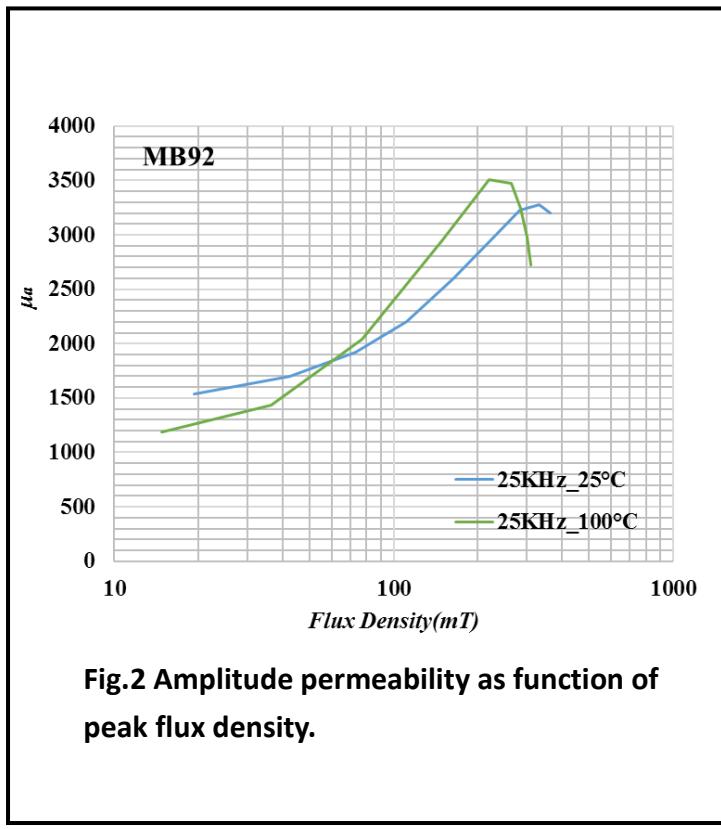
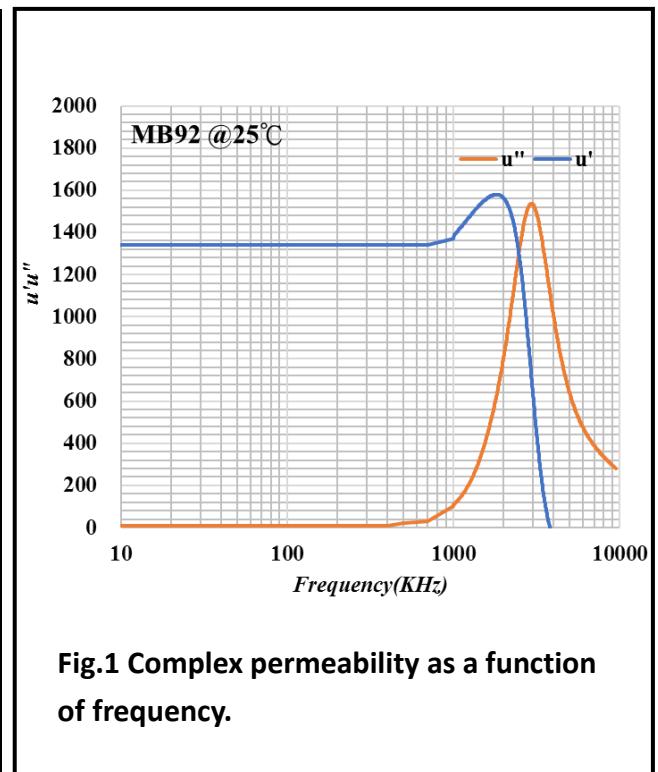
高科磁技股份有限公司
中鋼集團

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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 |



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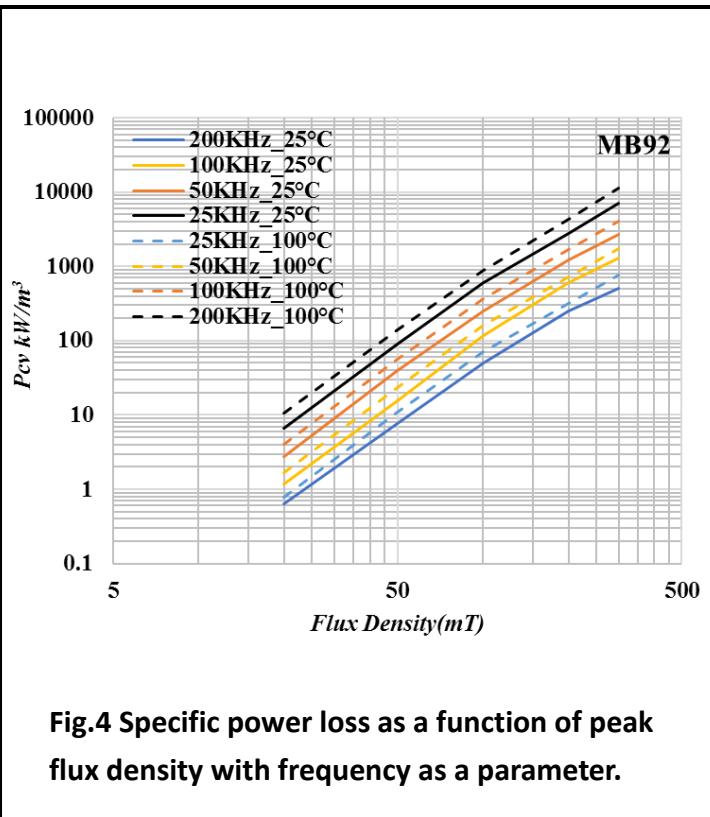


Fig.4 Specific power loss as a function of peak flux density with frequency as a parameter.

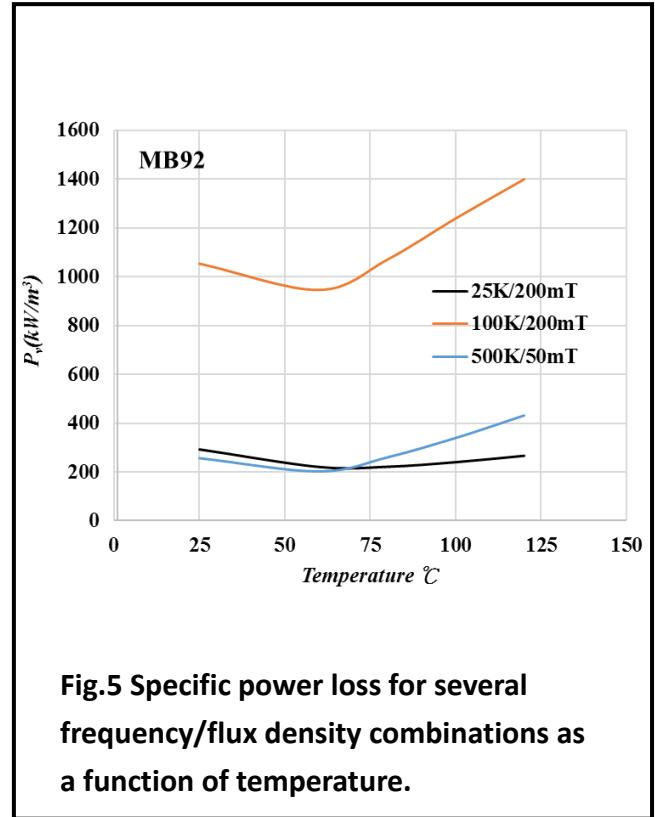


Fig.5 Specific power loss for several frequency/flux density combinations as a function of temperature.

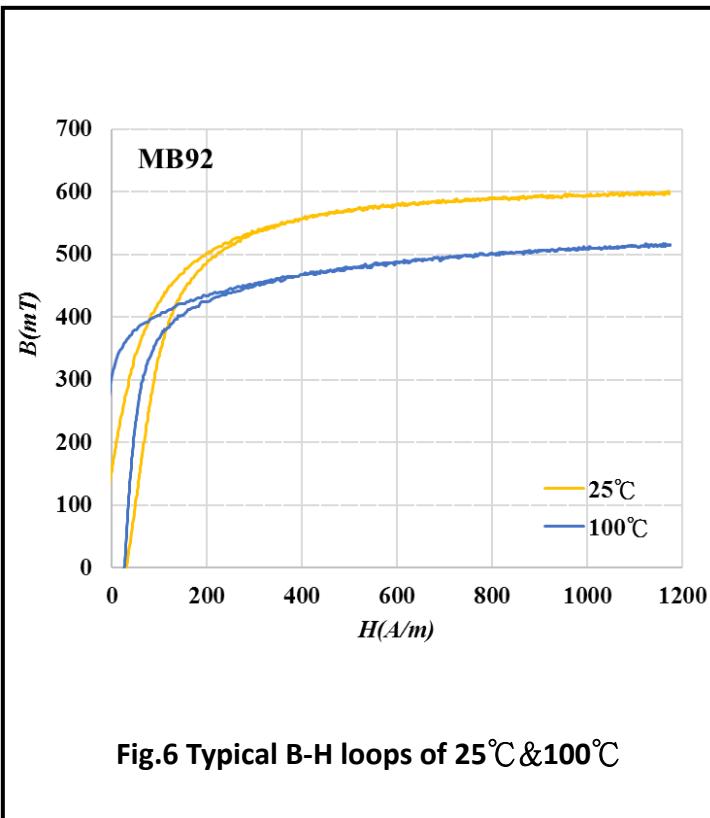


Fig.6 Typical B-H loops of 25°C & 100°C

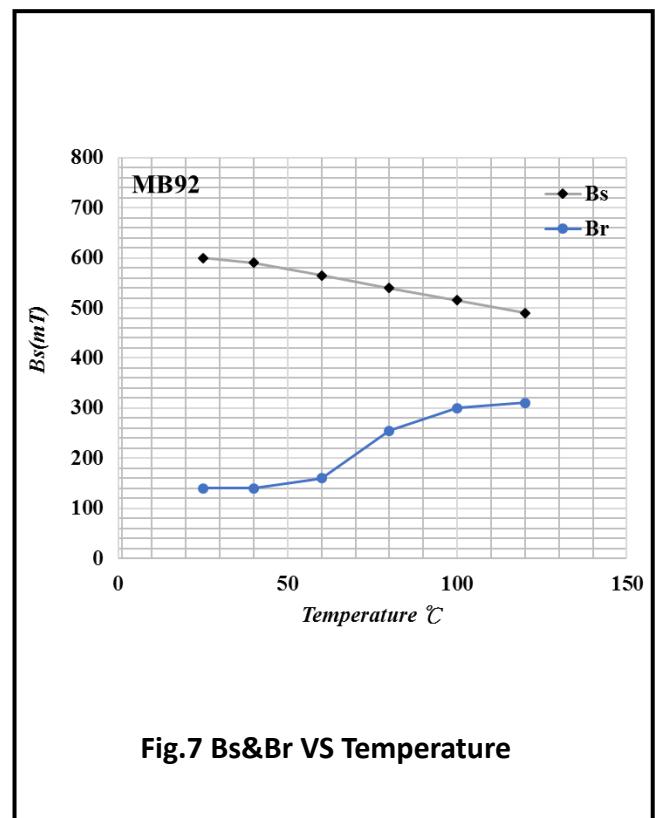


Fig.7 B_s & B_r VS Temperature

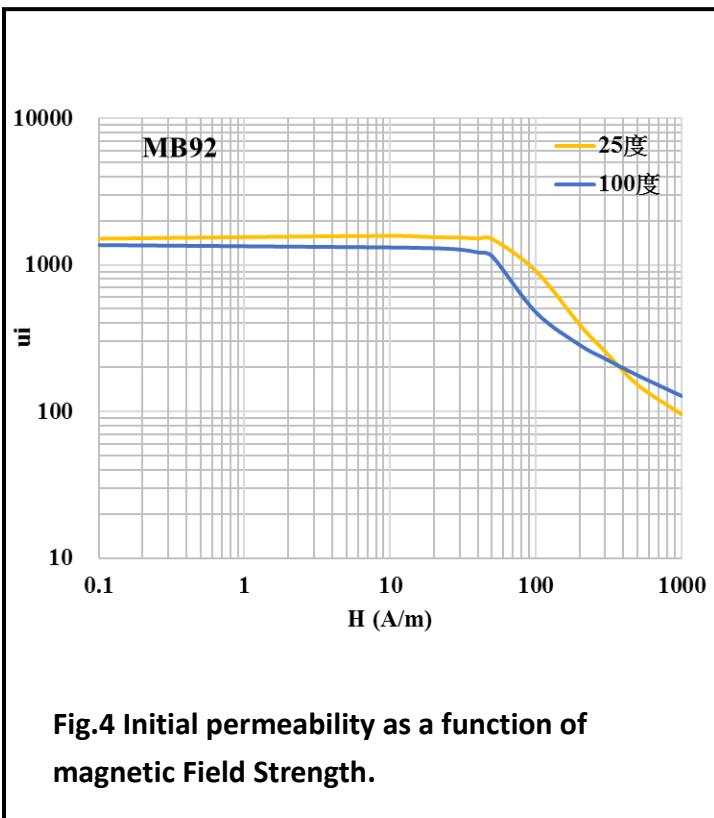


Fig.4 Initial permeability as a function of magnetic Field Strength.