

DATA SHEET

MLT12

Materials specification

2022/06/28



高科磁技股份有限公司
中鋼集團

Materials specification

MLT12

MLT12 SPECIFICATIONS

| | CONDITIONS | VALUE | UNIT |
|-----------------------|-----------------------|------------------|-------------------|
| μ_i | -20°C;10 kHz;0.25mT | ≥ 8500 | |
| | 25°C;100 kHz;0.25mT | $12000 \pm 25\%$ | |
| Bs | 25°C;10 kHz;1200A/m | 385 | mT |
| | 100°C; 10 kHz;1200A/m | 190 | |
| $\tan \delta / \mu_i$ | 10kHz, 25°C, 0.25mT | <5 | $\times 10^{-6}$ |
| | 100kHz, 25°C, 0.25mT | <25 | |
| Tc | | ≥ 100 | °C |
| Density | | 5000 | kg/m ³ |

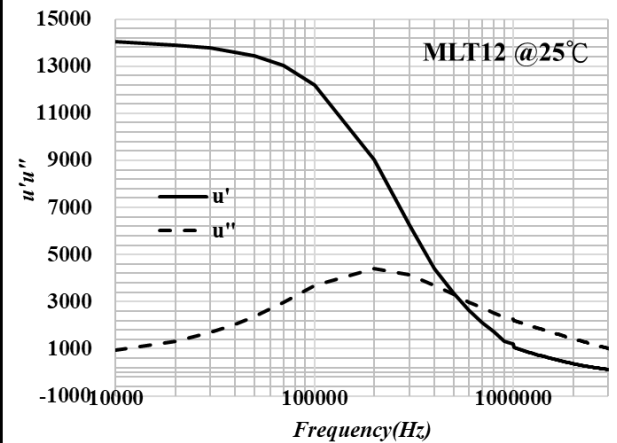


Fig.1 Complex permeability as a function of frequency.

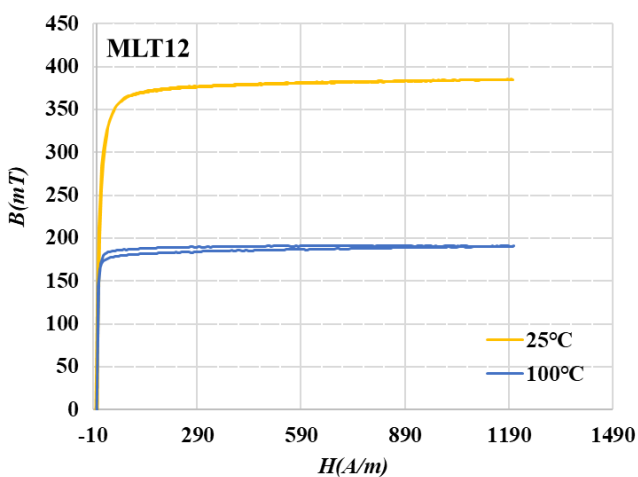


Fig.2 Typical B-H loops of 25°C & 100°C

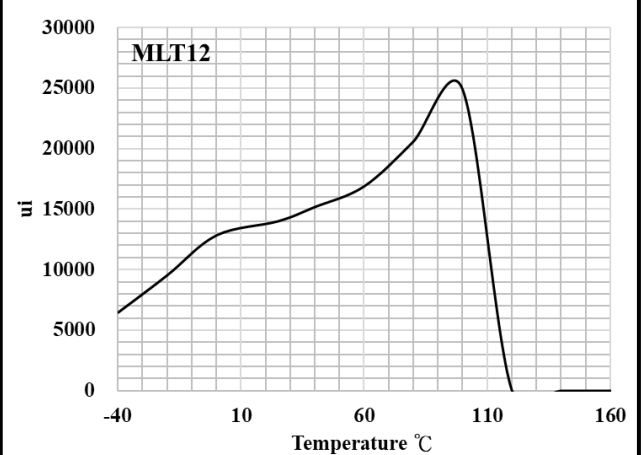


Fig.3 Initial permeability as a function of temperature.

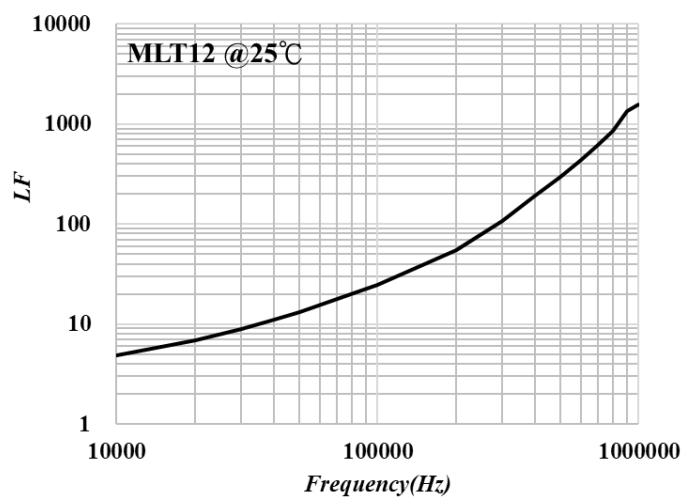


Fig.4 Loss factor in function of frequency.