

DATA SHEET

MLT12

Materials specification

2022/06/28



高科磁技股份有限公司
中鋼集團

Materials specification

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MLT12 SPECIFICATIONS

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

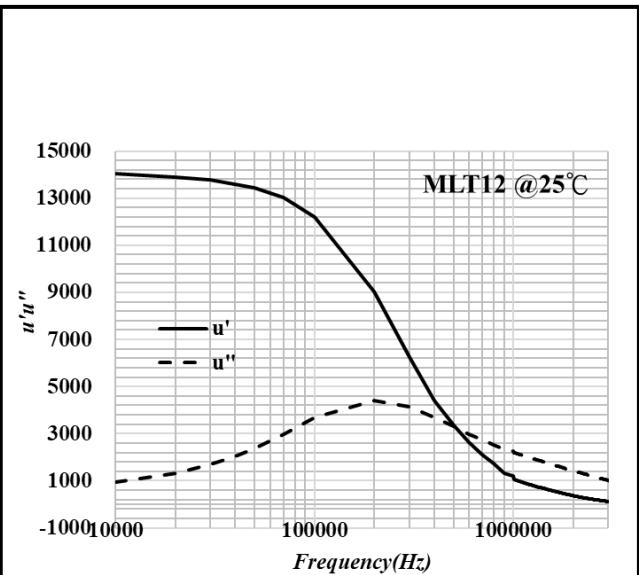


Fig.1 Complex permeability as a function of frequency.

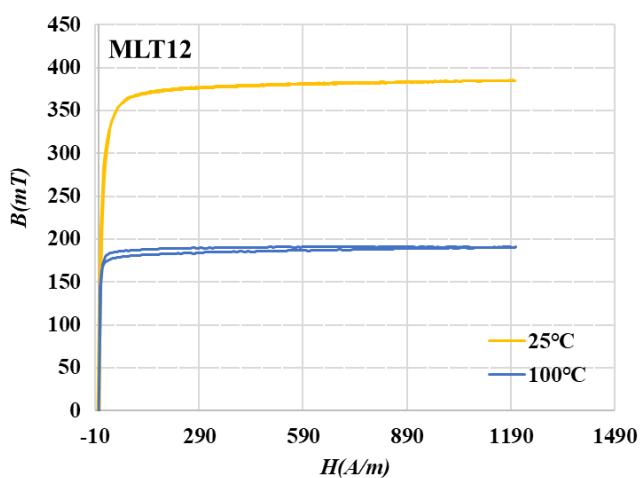


Fig.2 Typical B-H loops of 25°C & 100°C

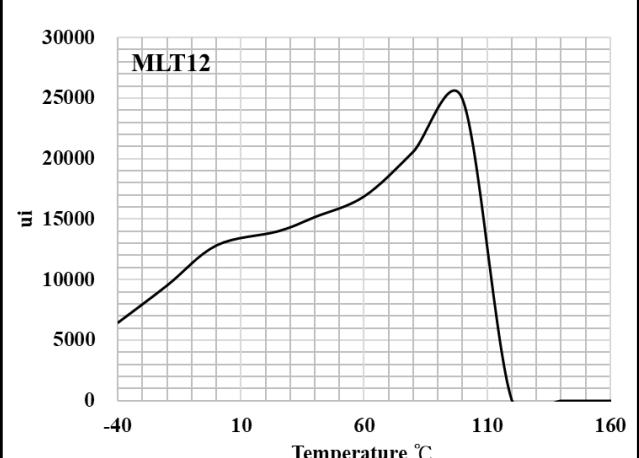


Fig.3 Initial permeability as a function of temperature.

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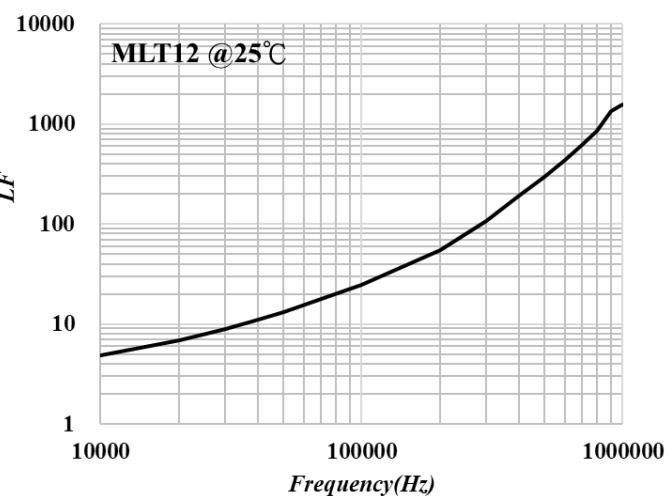
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Fig.4 Loss factor in function of frequency.