

材料 Ma a TSR13

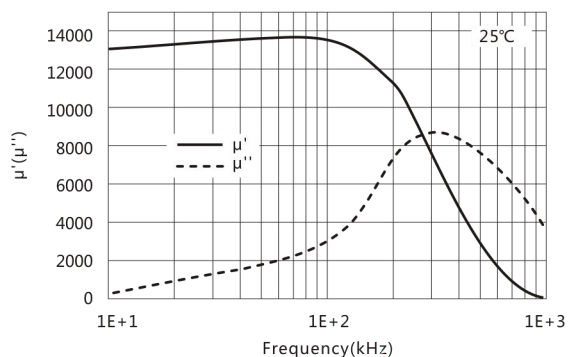
特点 F a

高磁导率 约 μ_i 13000 ± 30%

低比损耗因子 $\tan\delta/\mu_i \leq 20$

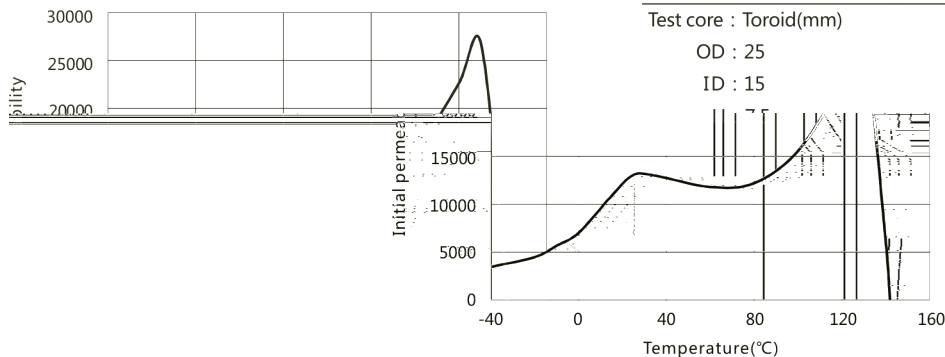
更优的频率特性 μ' 100kHz ~ 1MHz

μ' (μ'')-Frequency



Initial permeability	μ_i	25°C 10kHz	13000±30%
		25°C 200kHz	10000
Saturation magnetic flux density	B_s (mT)	25°C	410
Remanent	B_r (mT)	25°C	100
Coercivity	H_c (A/m)	25°C	6
Relative loss factor	$\tan\delta/\mu_i$ ($\times 10^{-6}$)	25°C 100kHz	≤ 20
Relative temperature coefficient	$\alpha_{\mu ir}$ ($10^{-6}/^\circ\text{C}$)	20°C ~ 60°C	-0.5 ~ 2.0
Curie temperature	T_c (°C)		≥ 130
Electrical resistivity	ρ ($\Omega\cdot\text{m}$)		0.15
Density	d (kg/m^3)		4.9×10^3

μ_i -Temperature

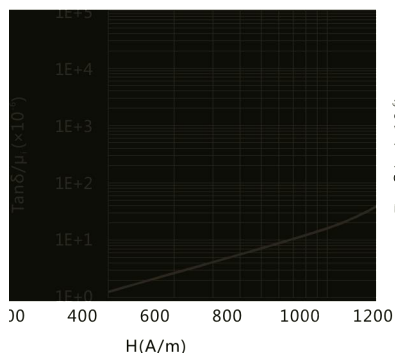


Test core : Toroid(mm)

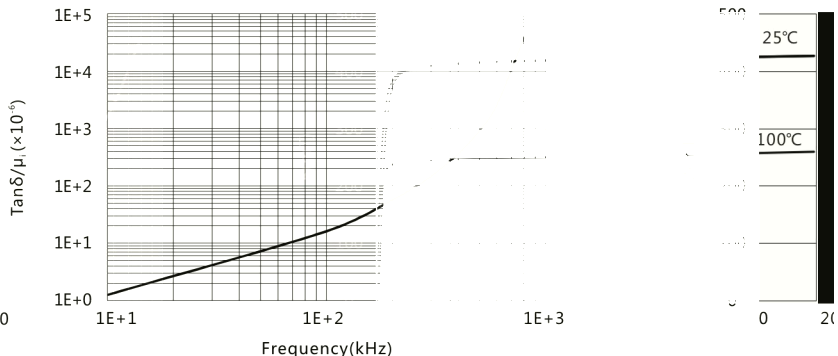
OD : 25

ID : 15

B-H



$\tan\delta/\mu_i$ -Frequency



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