

材料 Ma a TSR5

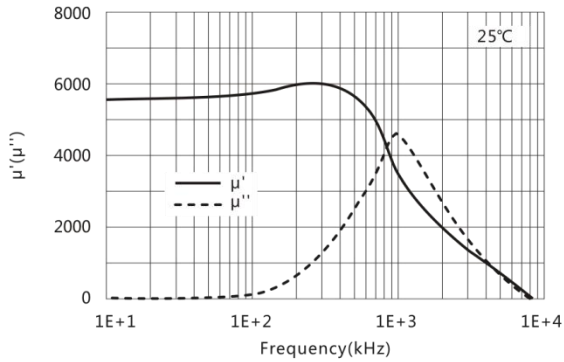
特点 F a

高磁导率 约 H I a P ab Ab

低比损耗因子 L R a L Fac

更优的频率特性 T I a P ab V F c C a ac c B

μ' (μ'')-Frequency

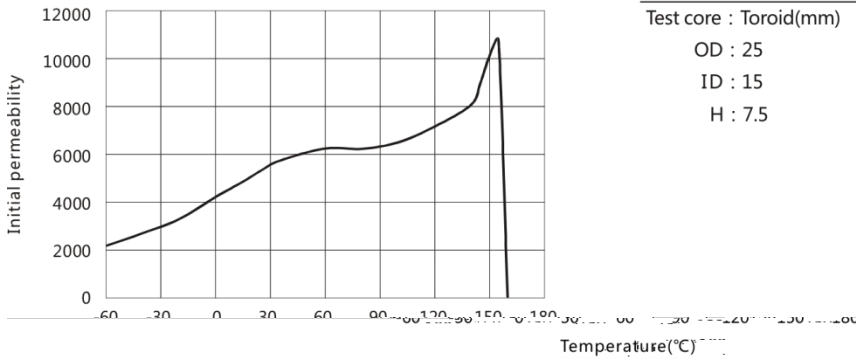


Initial permeability	μ_i	25°C 10kHz	5500±30%
		25°C 1MHz	> 3000
Saturation magnetic flux density	Bs(mT)	25°C	430
	1194A/m		
Remanent	Br(mT)	25°C	70
Coercivity	Hc(A/m)	25°C	6
Relative loss factor	$\tan\delta/\mu_i$	25°C	< 10
	($\times 10^{-6}$)	100kHz	
Relative temperature coefficient	$\alpha_{\mu ir}$	20°C ~ 60°C	-0.5 ~ 2.0
	($10^{-6}/^{\circ}\text{C}$)		
Curie temperature	Tc(°C)		≥ 150
Electrical resistivity	$\rho(\Omega\cdot\text{m})$		1
Density	d(kg/m ³)		4.9×10 ³

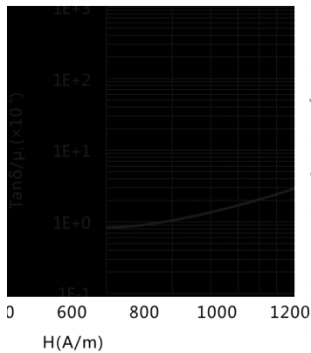
Test core : Toroid(mm)

- OD : 25
- ID : 15
- H : 7.5

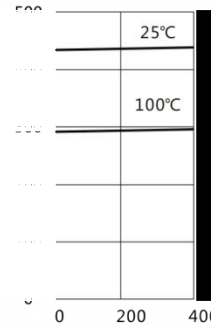
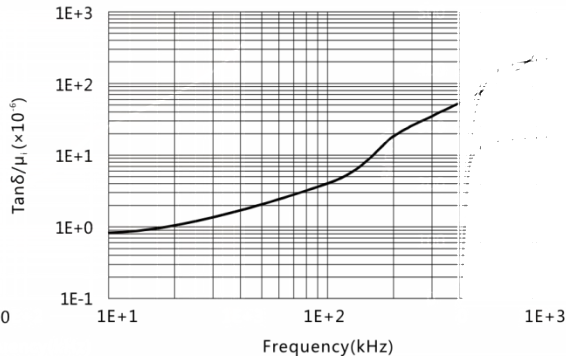
μ_i -Temperature



B-H



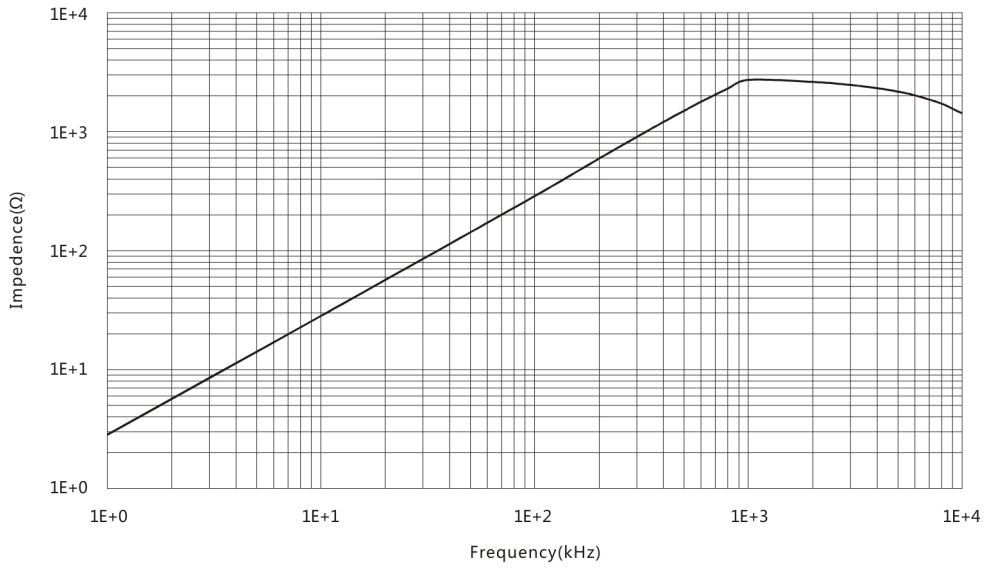
$\tan\delta/\mu_i$ -Frequency



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Z-Frequency

N=10TS、Φ 0.35mm、T=25°C



Bs-Temperature

H=1194A/m

