材料 Ma a **TS7**

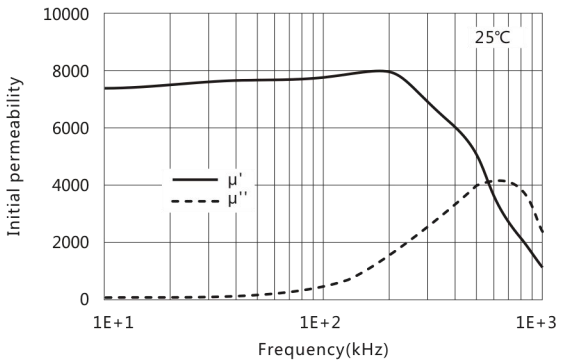
特点 F a

高磁导率 约 H I a P ab Ab

低比损耗因子 L R a L Fac

频率特性优良 T I a P ab F c C a ac c G

μ'(μ")-Frequency



Initial permeability	μ_i	25℃	7500±30%
Saturation magnetic flux density	Bs(mT) 1194A/m	25℃	410
Remanent	Br(mT)	25℃	80
Coercivity	Hc(A/m)	25℃	6
Relative loss factor 100kHz	$\tan\delta/\mu_i$ ($\times10^{-6}$)		< 20
Relative temperature coefficient	$\alpha_{\mu ir}$ ($\times10^{-6}$/℃)	20℃~60℃	-0.5~2.0
Disaccommodation factor	D_F ($\times10^{-6}$)	1~10min	< 2.5
Curie temperature	Tc(℃)		≥125
Electrical resistivity	ρ(Ω·m)		0.3
Density	d(kg/m^3)		4.8×10^3

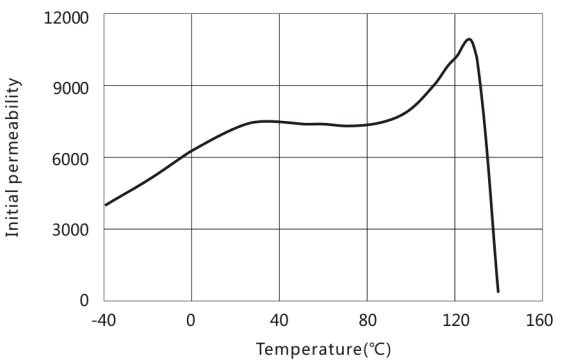
Test core：Toroid(mm)

OD：18

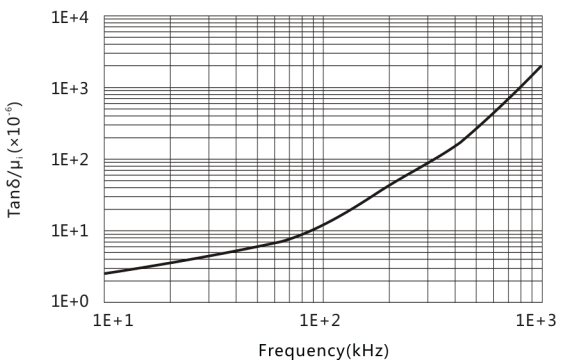
ID：8

H：5

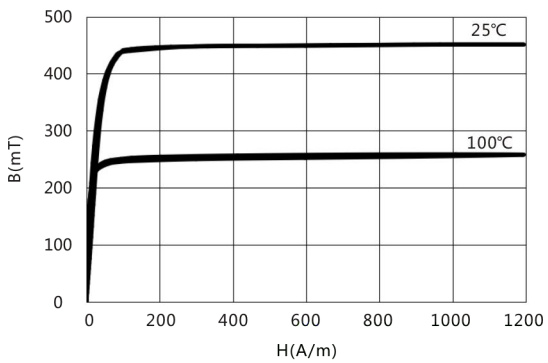
μ_i-Temperature



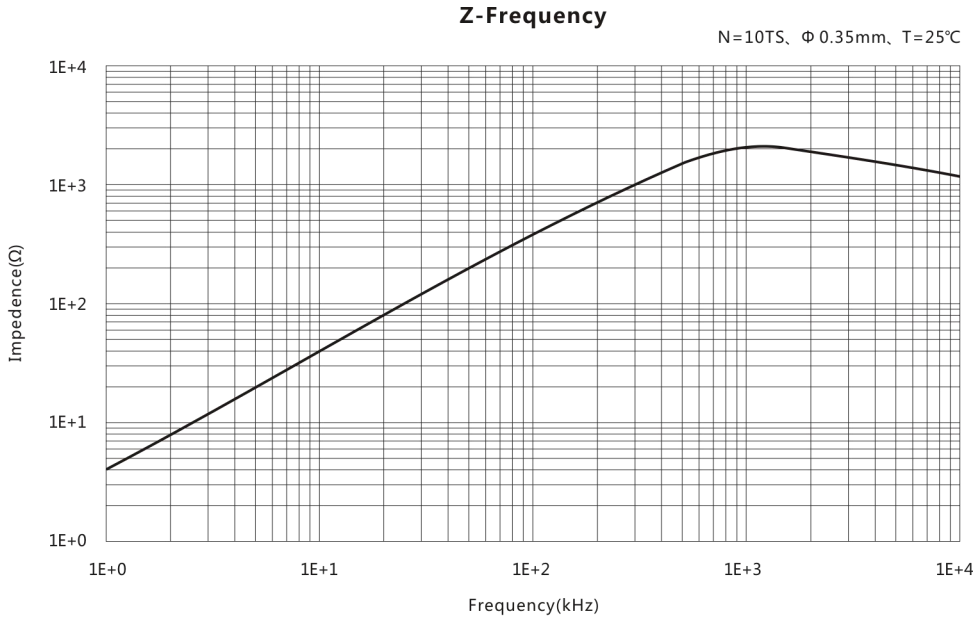
tanδ/μ_i-Frequency

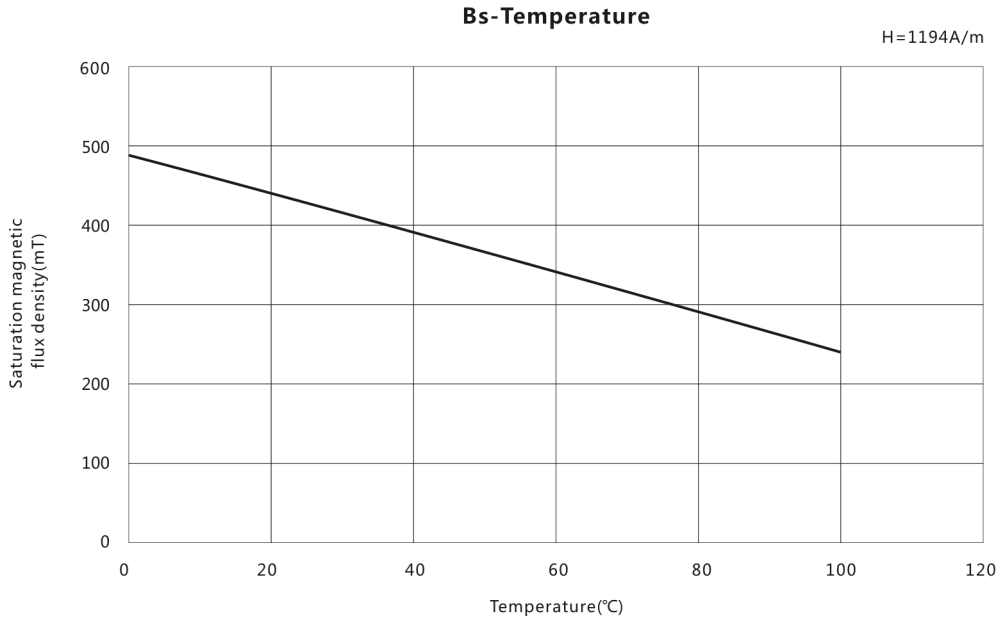


B-H



材料 Ma a **TS7**


Z-Frequency
N=10TS、Φ0.35mm、T=25℃
1E+4
1E+3
1E+2
1E+1
1E+0
Impedence(Ω)
1E+0
1E+1
1E+2
1E+3
1E+4
Frequency(kHz)


Bs-Temperature
H=1194A/m
600
500
400
300
200
100
0
Saturation magnetic flux density(mT)
0
20
40
60
80
100
120
Temperature(℃)