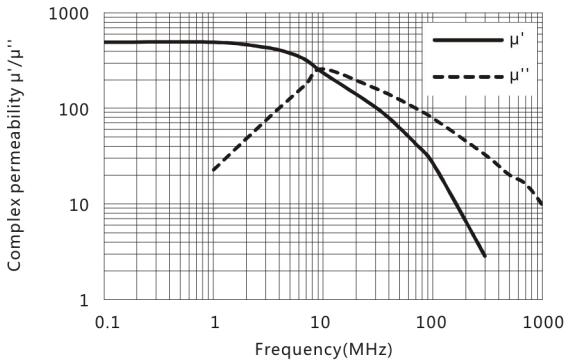
材料 / Material: **TN50D**

特点 / Features:

1. 抗应力 / Stress-Insensitive
2. 低比温度系数 / Low Relative Temperature Coefficient

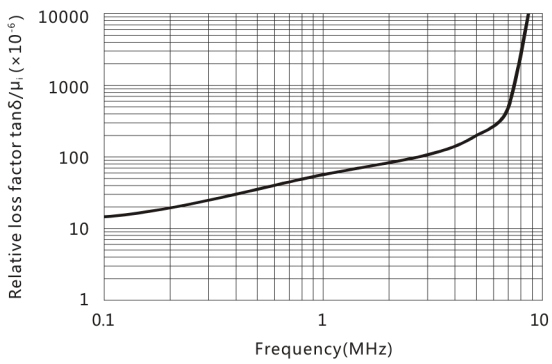
Complex permeability vs.Frequency



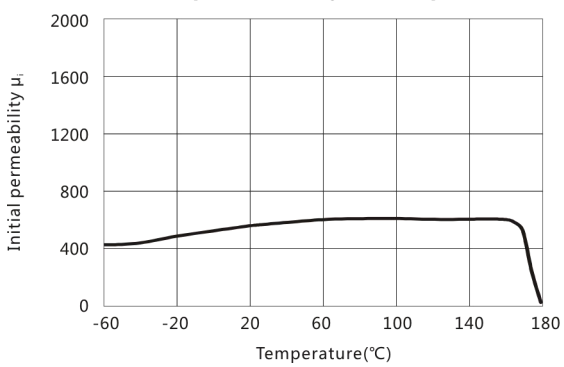
Initial permeability	μ_i	25℃	500±20%
Saturation magnetic flux density	Bs(mT) 4000A/m	25℃	350
Relative loss factor 100kHz	$\tan\delta/\mu_i$ ($\times10^{-6}$)	25℃	≤18
Relative temperature coefficient	$\alpha_{\mu ir}$ ($\times10^{-6}$/℃)	20～60℃	1
Curie temperature	Tc(℃)		>160
Electrical resistivity	ρ(Ω·m)		10^6
Density	d(kg/m^3)		5.1×10^3

Test core：Toroid(mm)
OD：12.7
ID：7.9
H：6.5

Relative loss factor vs.Frequency



Initial permeability vs.Temperature



Flux density vs.Temperature