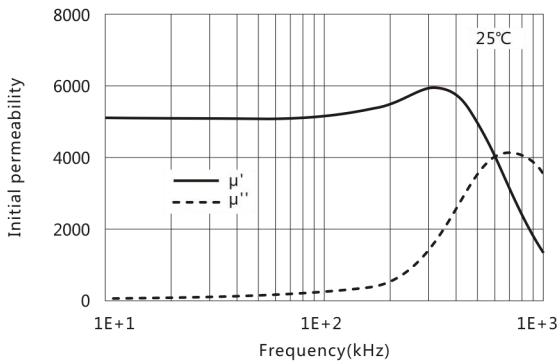


# 材料 / Material: TS5

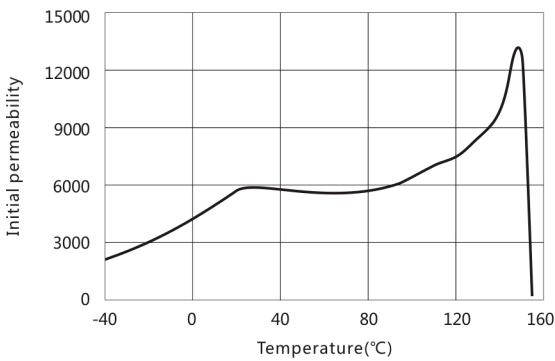
## 特点 / Features:

1. 高磁导率(约5500) / High Initial Permeability(About 5500)
2. 低比损耗因子 / Low Relative Loss Factor
3. 频率特性优良 / The Initial Permeability vs Frequency Characteristic is Good

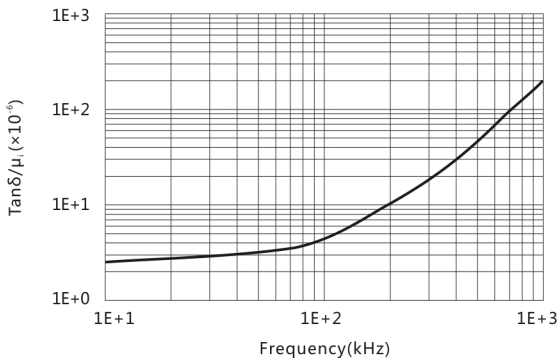
$\mu'$  ( $\mu''$ )-Frequency



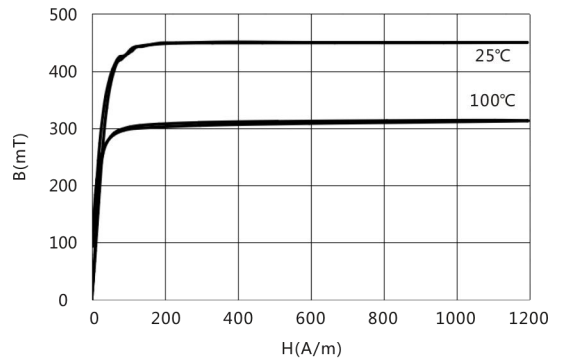
$\mu_i$ -Temperature



$\tan\delta/\mu_i$ -Frequency



B-H



Initial permeability	$\mu_i$	25°C	5500±30%
Saturation magnetic flux density	$B_s$ (mT)	25°C	410
	1194A/m		
Remanent	$B_r$ (mT)	25°C	70
Coercivity	$H_c$ (A/m)	25°C	6
Relative loss factor 100kHz	$\tan\delta/\mu_i$ ( $\times 10^{-6}$ )		< 10
Relative temperature coefficient	$\alpha_{\mu_i}$ ( $\times 10^{-6}/^{\circ}\text{C}$ )	20°C~60°C	-0.5~2.0
Disaccommodation factor	$D_F$ ( $\times 10^{-6}$ )	1~10min	< 3.0
Curie temperature	$T_c$ (°C)		≥150
Electrical resistivity	$\rho$ ( $\Omega\cdot\text{m}$ )		1
Density	$d$ ( $\text{kg}/\text{m}^3$ )		$4.8 \times 10^3$

Test core : Toroid(mm)

OD : 18

ID : 8

H : 5

# 材料 / Material: TS5

