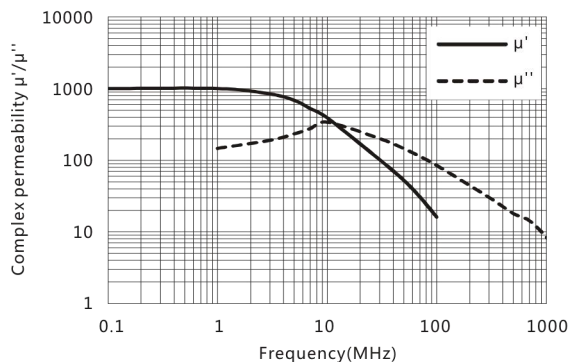


# 材料 / Material: TN90H

## 特点 / Features:

### 1. 耐热冲击 / Thermal Shock Resistance

**Complex permeability vs.Frequency**



Initial permeability	$\mu_i$	25°C	900±20%
Saturation magnetic flux density	$B_s(\text{mT})$	25°C	340
Relative loss factor 100kHz	$\tan\delta/\mu_i$ ( $\times 10^{-6}$ )	25°C	≤20
Relative temperature coefficient	$\alpha_{\mu ir}$ ( $\times 10^{-6}/^\circ\text{C}$ )	20 ~ 60°C	15
Curie temperature	$T_c(^\circ\text{C})$		>140
Electrical resistivity	$\rho(\Omega\text{-m})$		$10^6$
Density	$d(\text{kg}/\text{m}^3)$		$5.1 \times 10^3$

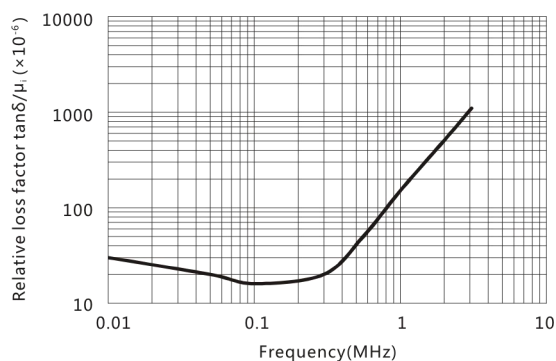
Test core : Toroid(mm)

OD : 12.7

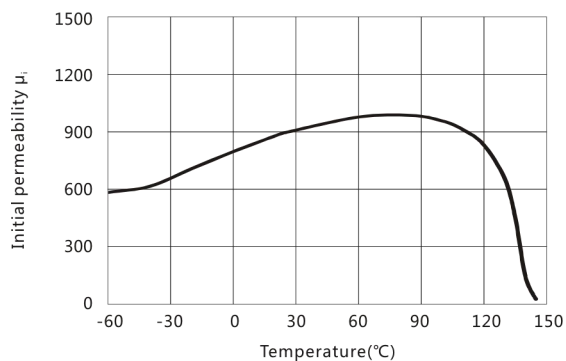
ID : 7.9

H : 6.5

**Relative loss factor vs.Frequency**



**Initial permeability vs.Temperature**



**Flux density vs.Temperature**

