

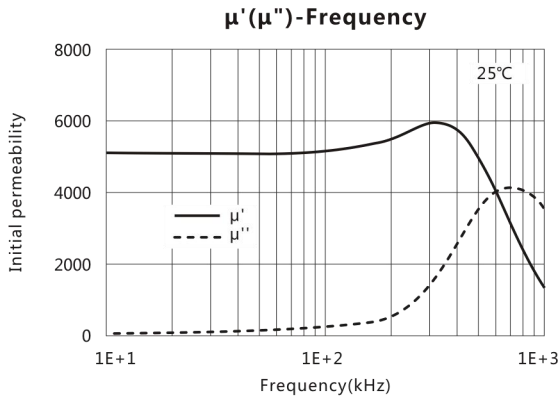
# 材料 Ma a TS5

## 特点 F a

高磁导率 约  $\mu_i$  25°C 5500±30%

低比损耗因子  $\tan\delta/\mu_i$  100kHz  $< 10 \times 10^{-6}$

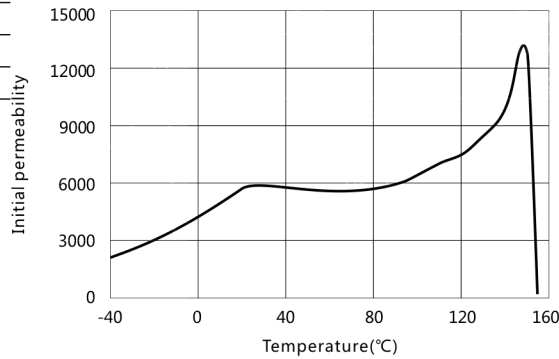
频率特性优良  $\mu_i$ -Frequency



|                                  |  |           |          |
|----------------------------------|--|-----------|----------|
| Initial permeability             | $\mu_i$  | 25°C      | 5500±30% |
| Saturation magnetic flux density | $B_s$ (mT)   | 25°C      | 410      |
| 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 |

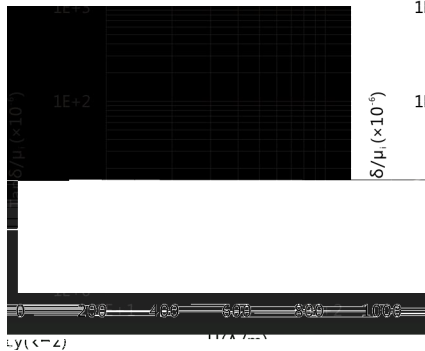
|                                  |                   |
|----------------------------------|-------------------|
| $J_F$ ( $\times 10^{-6}$ )       | 1~10min < 3.0     |
| $T_c$ (°C)                       | $\geq 150$        |
| $\rho$ ( $\Omega\cdot\text{m}$ ) | 1                 |
| $d$ ( $\text{kg}/\text{m}^3$ )   | $4.8 \times 10^3$ |

### $\mu_i$ -Temperature

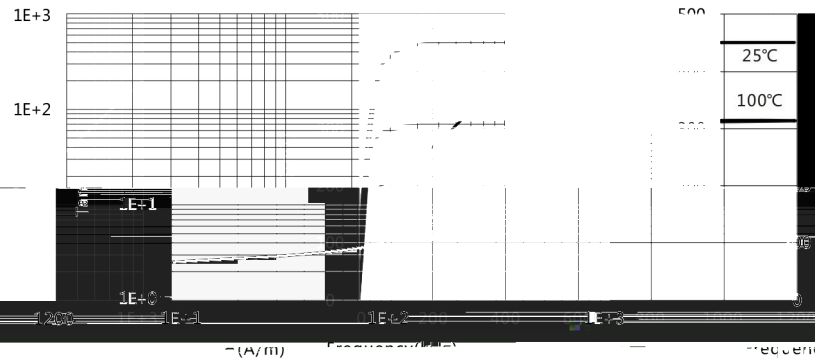


|                         |  |
|-------------------------|--|
| Disaccommodation factor |  |
| Curie temperature       |  |
| Electrical resistivity  |  |
| Density                 |  |
| Test core : Toroid(mm)  |  |
| OD : 18                 |  |
| ID : 8                  |  |
| H : 5                   |  |

### B-H



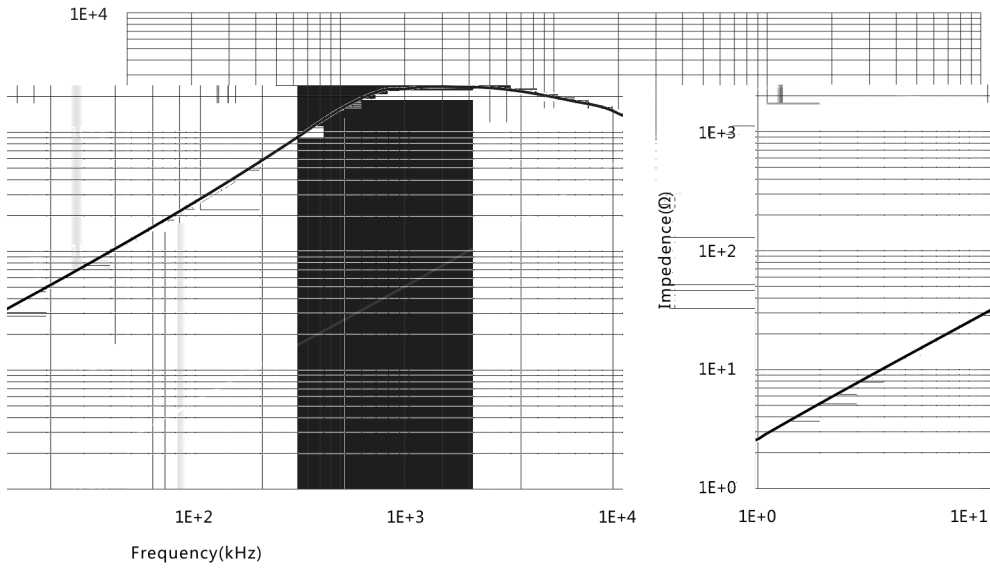
### $\tan\delta/\mu_i$ -Frequency



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**Z-Frequency**

N=10TS、Φ 0.35mm、T=25°C



**Bs-Temperature**

H=1194A/m

