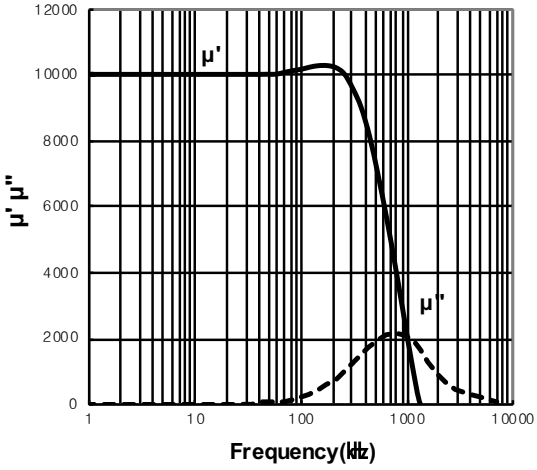
# HM5A MATERIAL

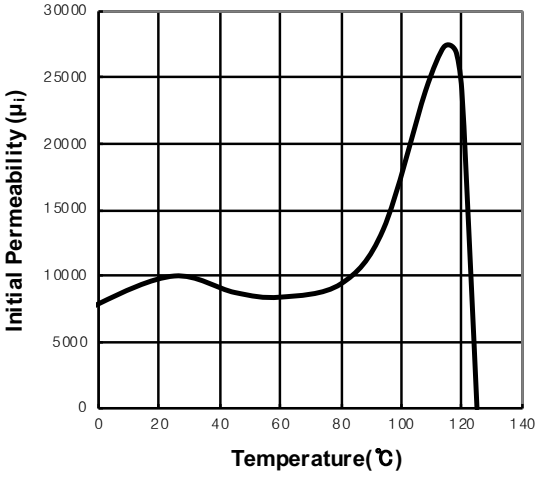
## ◈ Material Property

| Symbol | Unit | Condition | Value |
|---|---|---|---|
| $\mu_i$ | - | 25℃, ≤10㎑, ≤1mT | 10000±30% |
| $B_s$ | mT | H=1200(A/m), 25℃, f=10㎑ | 410 |
| $H_c$ | A/m | 25℃, f=10㎑ | 3 |
| $B_{rms}$ | mT | H=1200(A/m), 25℃, f=10㎑ | 80 |
| $T_c$ | ℃ | - | >125 |
| $\tan\delta/\mu_i$ | $10^{-6}$ | f=10㎑ | <6.0 |
| $\alpha_F$ | $10^{-6}$ /℃ | 20℃～60℃ | -0.15～1.0 |
| ρ | Ω·m | - | 0.13 |
| d | kg/㎥ | - | 4900 |

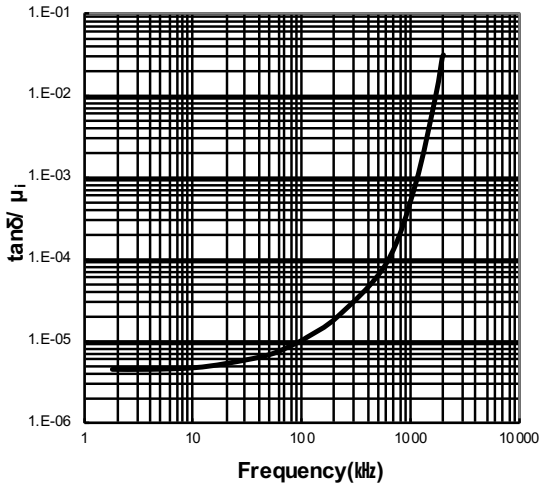
**PERMEABILITY($\mu_i$) vs. FREQUENCY**




**PERMEABILITY($\mu_i$) vs. TEMPERATURE**




**RELATIVE LOSS FACTOR($\tan\delta/\mu_i$) vs. FREQUENCY**




**FLUX DENSITY($B_s$) at 1200 A/m vs. TEMPERATURE**