

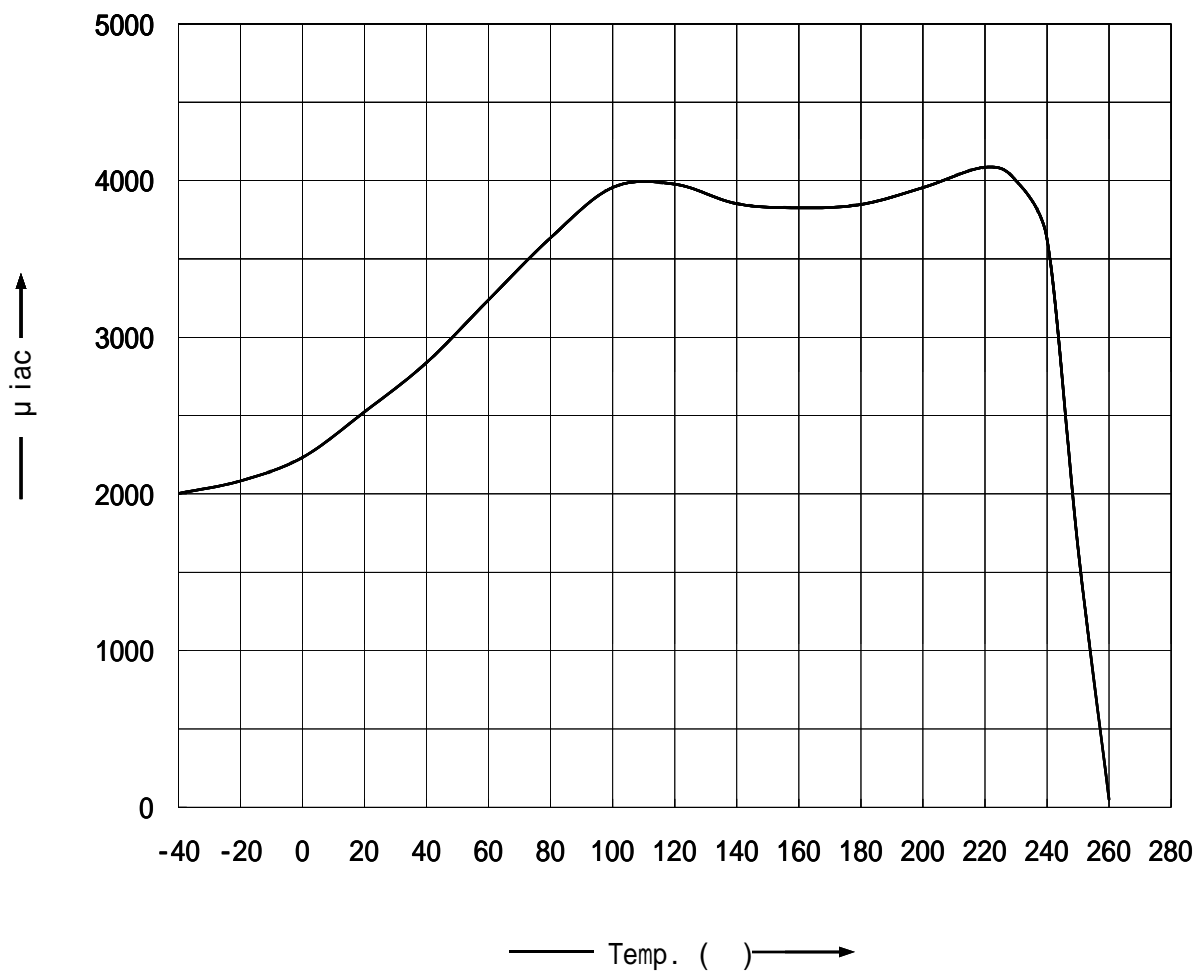
**2N4****標準材質特性****Standard Characteristics Of Material**

交流初透磁率 Initial permeability	$\mu_{iac}$	2600	—————
相対損失係数 Relative loss factor	$\tan \delta / \mu_{iac}$	0.23	$\times 10^{-5}$ (10 kHz)
透磁率の相対温度係数 Relative temperature	$\mu_r(20 \sim 60 \text{ } ^\circ\text{C})$ $(-20 \sim 20 \text{ } ^\circ\text{C})$	2.8 2.5	$\times 10^{-6}/$
キュリー温度 Curie temperature	$T_c$	260	
パワーロス Power Loss	P.L.(100kHz200mT)	40 455 60 410 100 350 120 370	$\text{kW/m}^3$
実効飽和磁束密度 Saturation flux density	$B_{ms}$ 20 100	520 410	$H=1200(\text{A/m})$ mT
残留磁束密度 Remanence flux density	$B_r$ 20 100	100 55	mT
保磁力 Coercivity	$H_c$ 20 100	11 7	A/m
抵抗率 Electrical resistivity	$\nu$	8.5	-m
見掛密度 Density	$d_{app}$	4.8	$\times 10^3 (\text{kg/m}^3)$

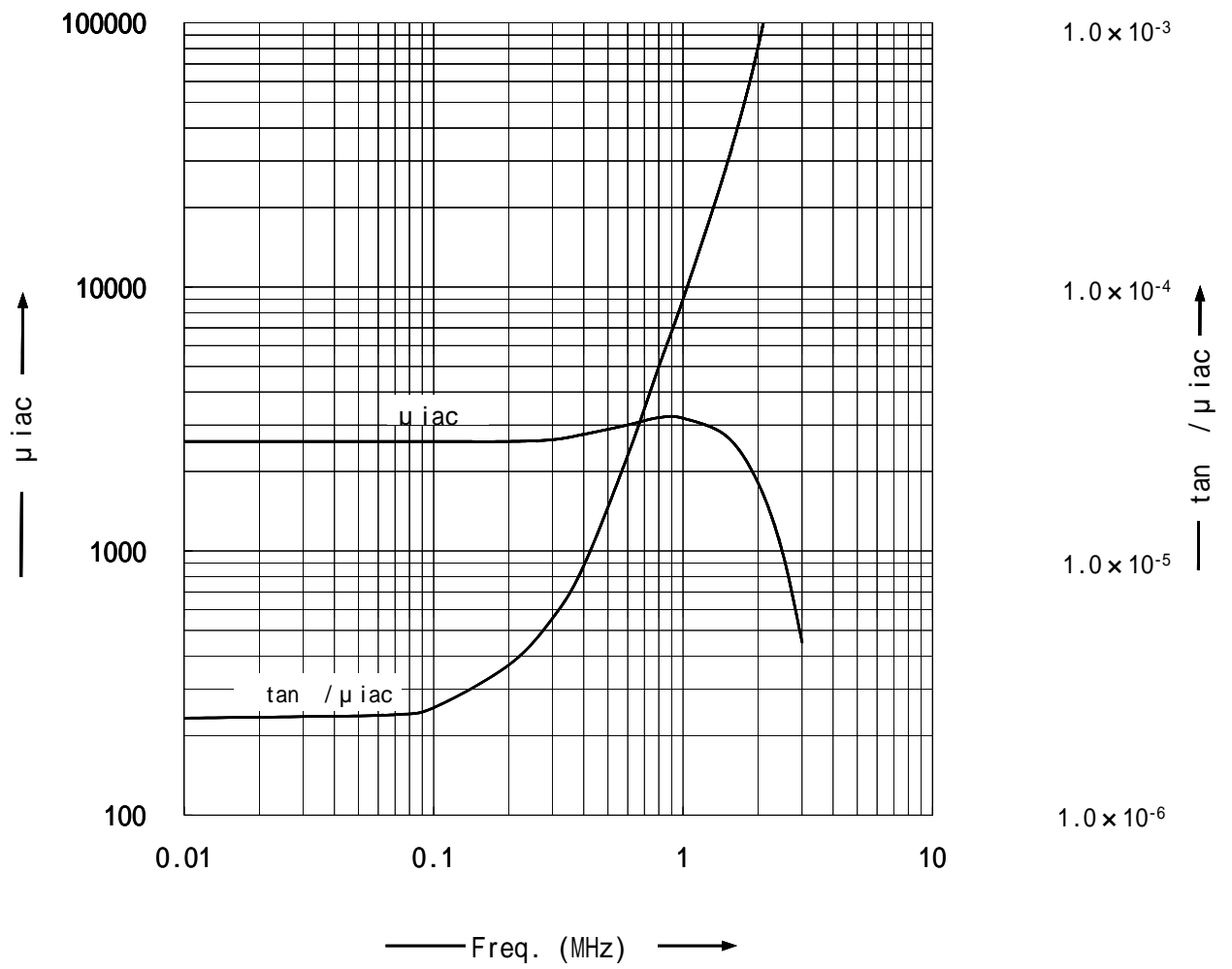
\*材質特性の測定方法は概ねJIS-C2561に準じたものです。

特性は全て代表値であり保証値ではありません。

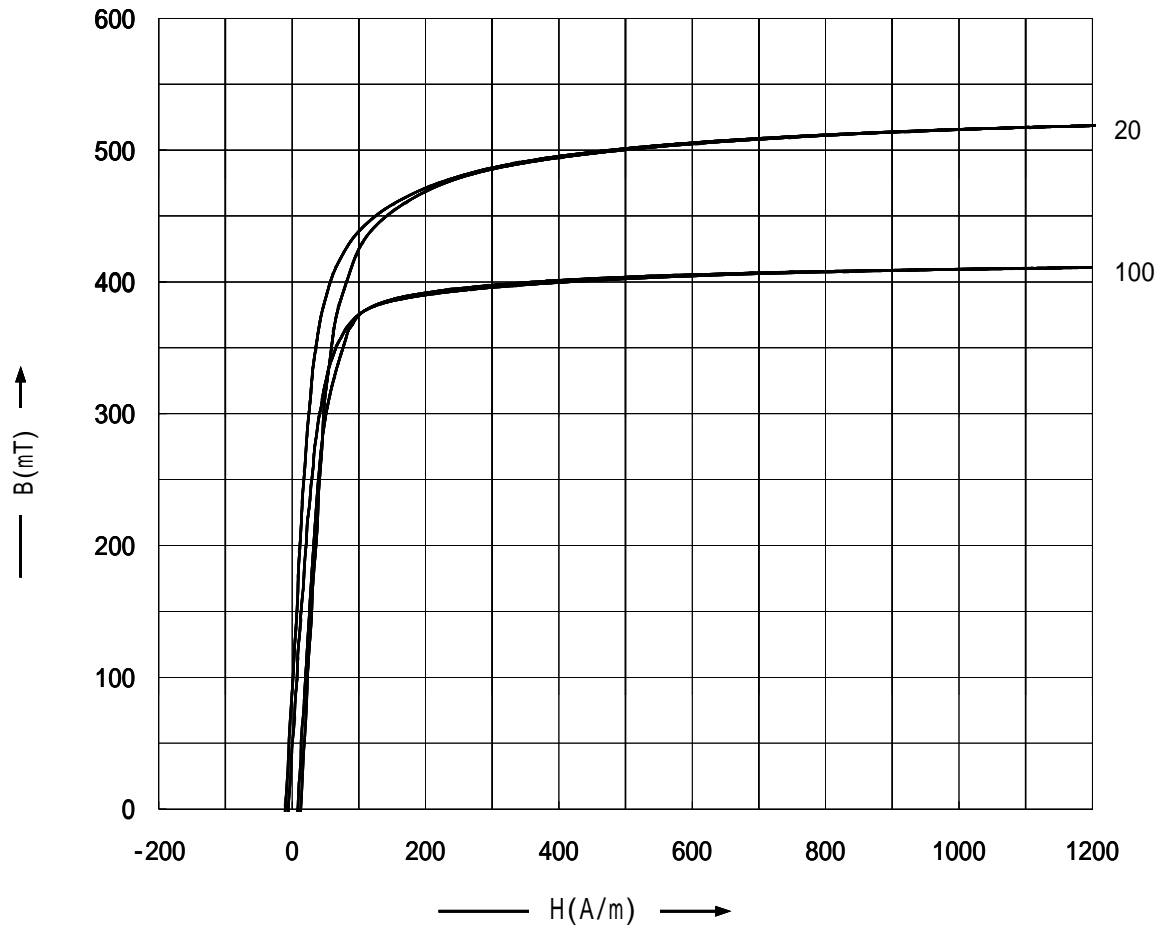
\*The values were obtained from testing methods carried out in accordance with JIS-C2561:General Testing Methods for Cores Made of Ferromagnetic Oxides.

2N4  $\mu$  iac vs. Temperature

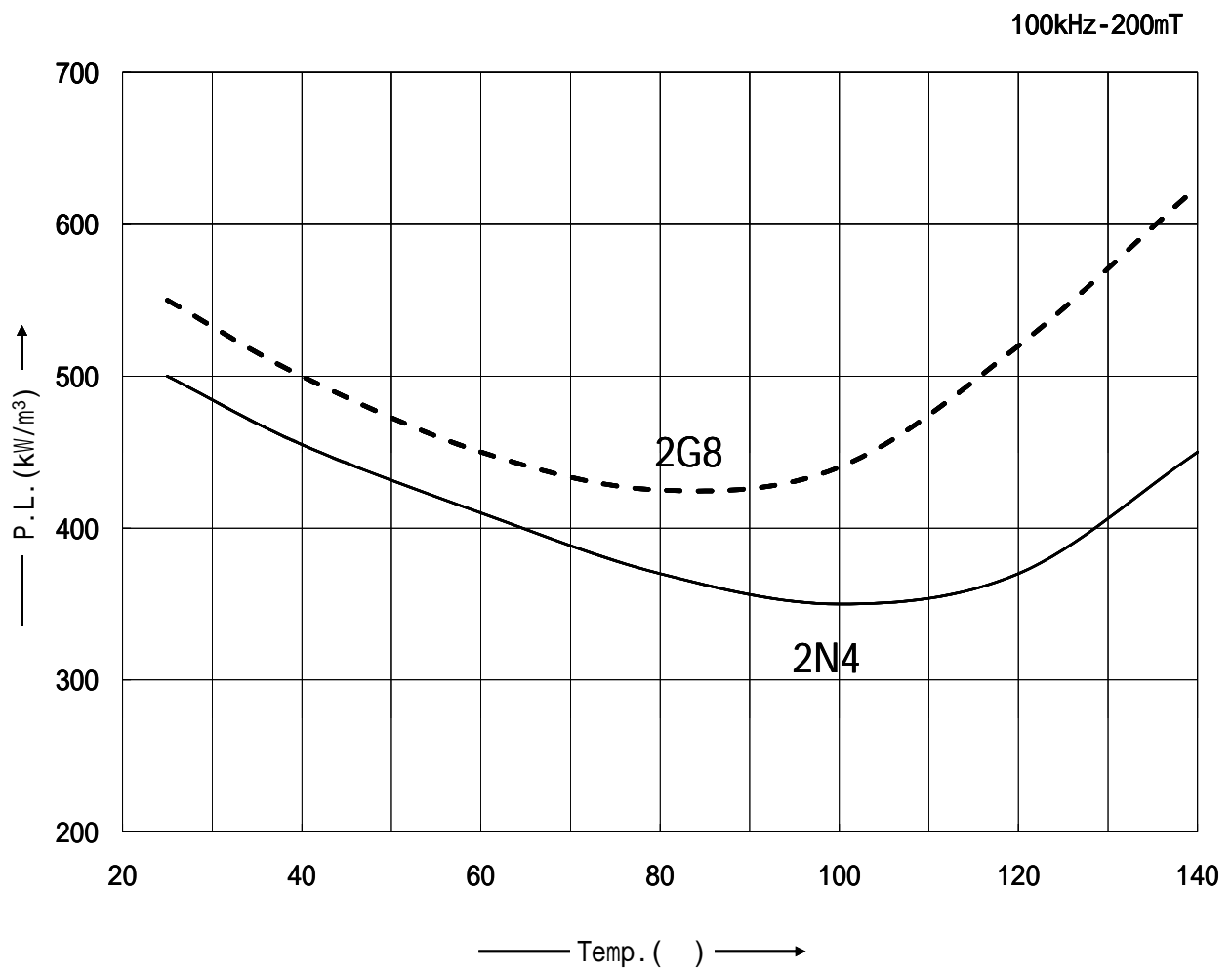
2N4  $\mu$  iac and  $\tan \delta / \mu$  iac vs Frequency



### 2N4 B-H Characteristics



### 2N4 Power Loss vs. Temperature



2N4 Power Loss vs. Flux density

