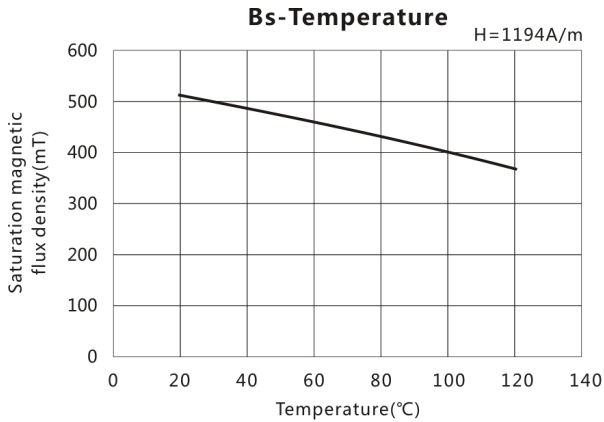


# 材料 / Material: TP4

## 特点 / Features:

1. 主要应用于中频段(小于200kHz) / Mostly Used at Middle Frequency(Less than 200kHz)
2. 低磁心损耗, 高饱和磁感应强度 / Low Core Loss and High Saturation Flux Density
3. 损耗最低的温度点约在90°C / The Temperature Point of the Lowest Core Loss is 90°C



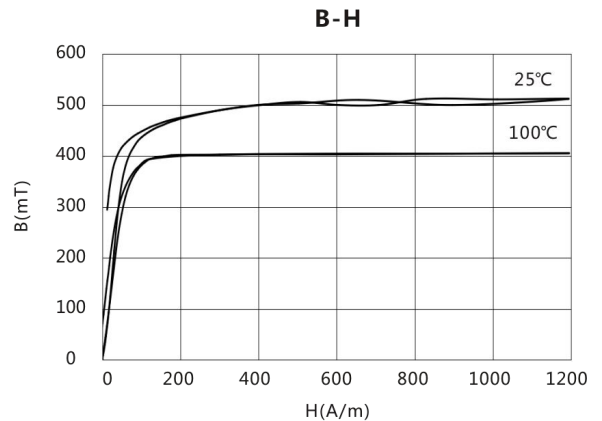
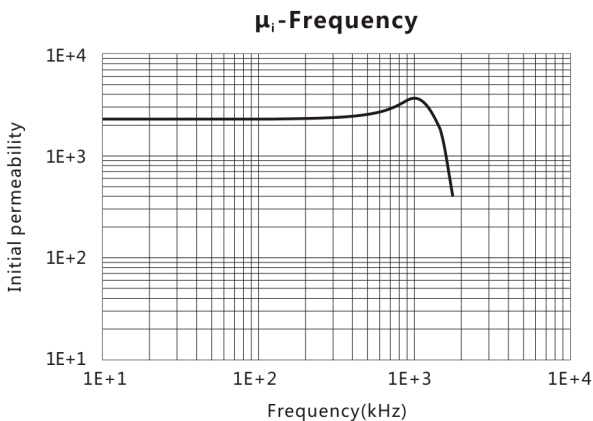
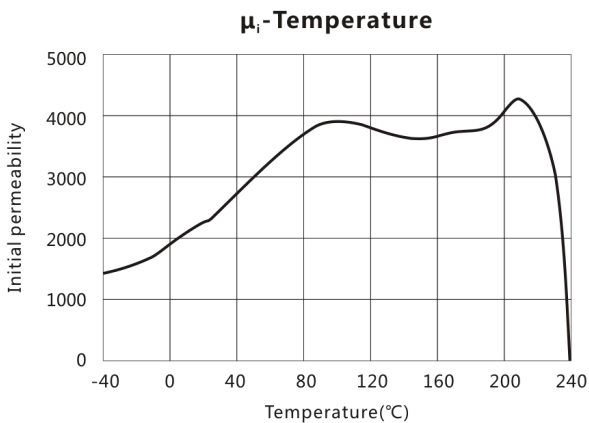
Initial permeability	$\mu_i$	25°C	2300±25%
Saturation magnetic flux density	Bs(mT)	25°C	510
	1194A/m	100°C	390
Remanence	Br(mT)	25°C	100
		100°C	55
Coercivity	Hc(A/m)	25°C	14
		100°C	9
Core loss	Pcv(kW/m <sup>3</sup> )	25°C	650
		100°C	410
		120°C	500
Core loss		100kHz 200mT	
Curie temperature	Tc(°C)		≥220
Electrical resistivity	$\rho(\Omega\cdot m)$		6.5
Density	d(kg/m <sup>3</sup> )		4.8×10 <sup>3</sup>

Test core : Toroid(mm)

OD : 25

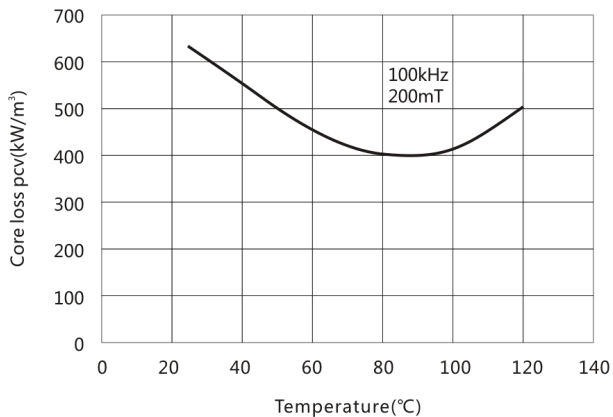
ID : 15

H : 7.5

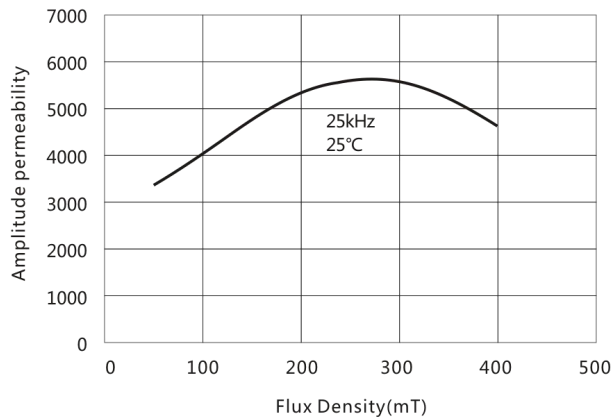


# 材料 / Material: TP4

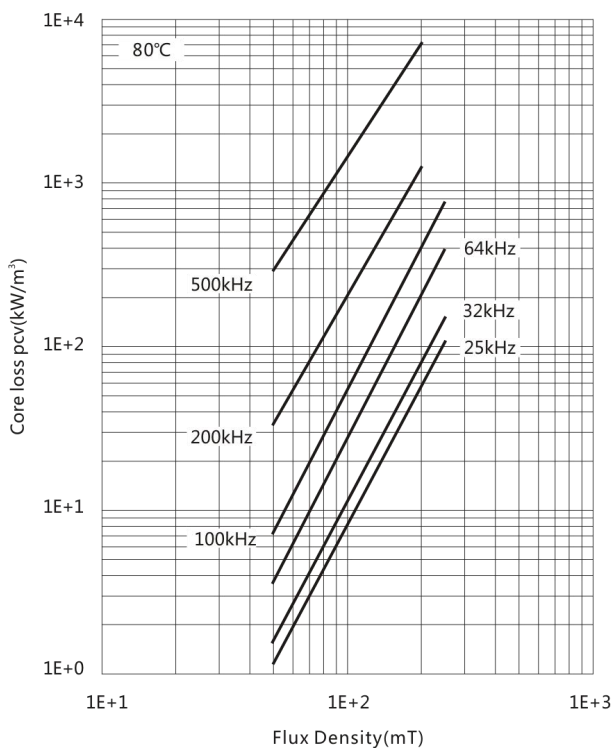
**P<sub>cv</sub>-Temperature**



**$\mu_a$  - B<sub>m</sub>**



**P<sub>cv</sub>-B<sub>m</sub>**



**P<sub>cv</sub>-B<sub>m</sub>**

