

# 材料 Ma a TPW30

## 特点 F a

低磁心损耗，高饱和磁感应强度 L C L a H Sa a F D

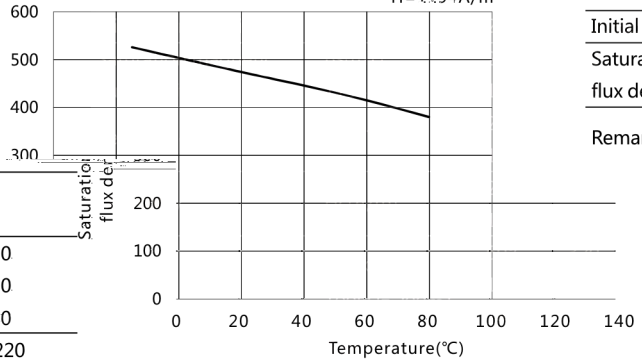
损耗最低的温度点约在 °C T T a P L C L °C

Rs-Temperature

Permeability	$\mu_i$	25°C	3000±25%
Open magnetic flux density	Bs(mT)	25°C	530
Coercivity	Hc(A/m)	100°C	425
Residual magnetic flux density	Br(mT)	25°C	100
		100°C	75
Core loss	Pcv(kW/m³)	60°C	320
	100kHz 200mT	120°C	320
		140°C	380
Curie temperature	Tc(°C)	≥220	
Electrical resistivity	$\rho(\Omega\cdot m)$	4	
Density	d(kg/m³)	4.9×10³	

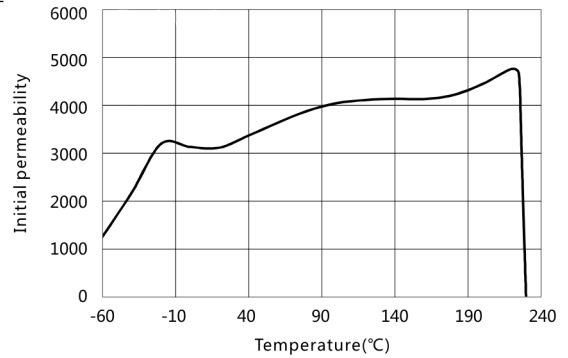
Test core : Toroid(mm)

- OD : 25
- ID : 15
- H : 7.5

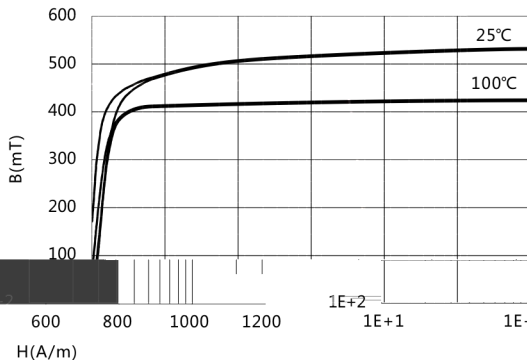


Initial permeability  
Saturation flux density  
Remanent flux density

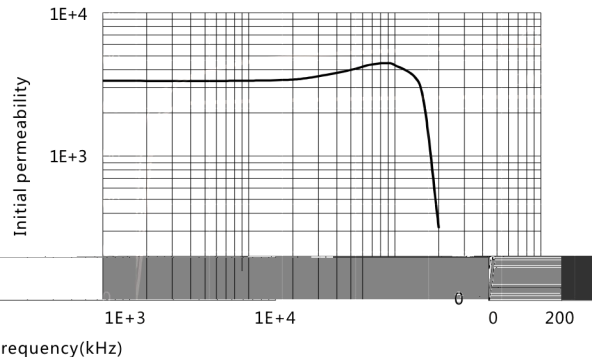
$\mu_i$ -Temperature



B-H

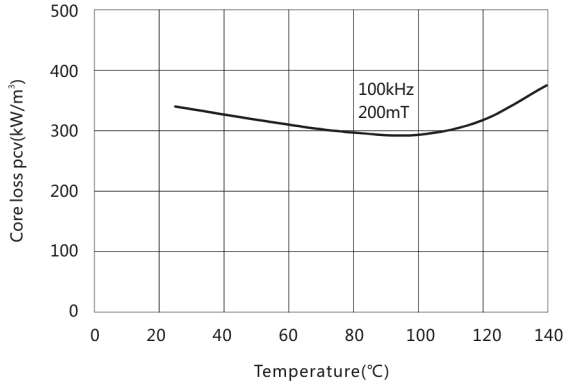


$\mu_i$ -Frequency

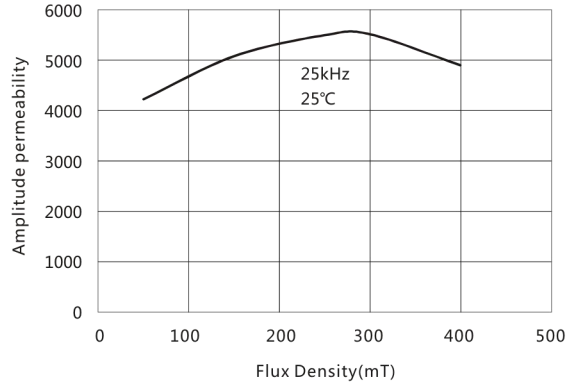


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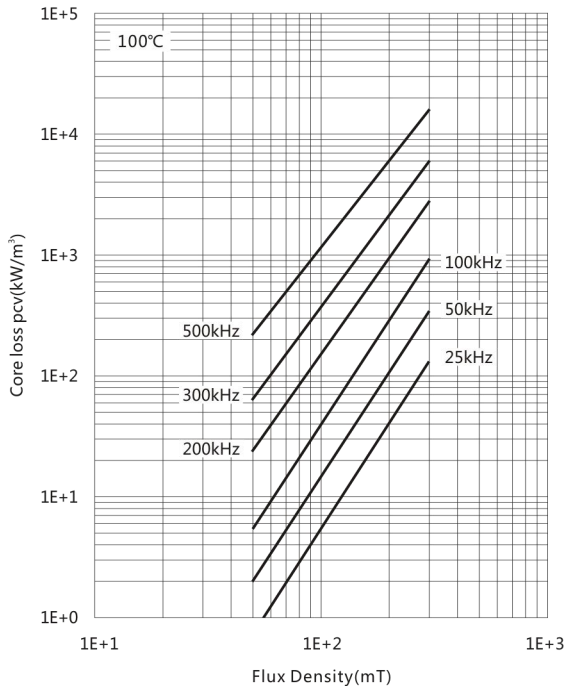
**Pcv-Temperature**



**$\mu_a$ -Bm**



**Pcv-Bm**



**Pcv-Bm**

