

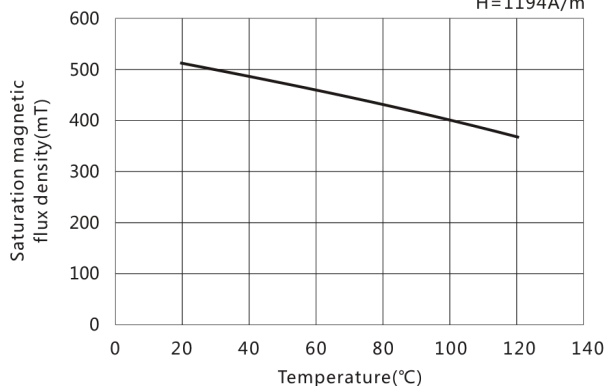
# 材料 Ma a TP4

## 特点 F a

主要应用于中频段 小于  $H = 1194 A/m$   
 低磁心损耗, 高饱和磁感应强度  $L C L a H S a a F D$   
 损耗最低的温度点约在  $^{\circ}C T T a P L C L ^{\circ}C$

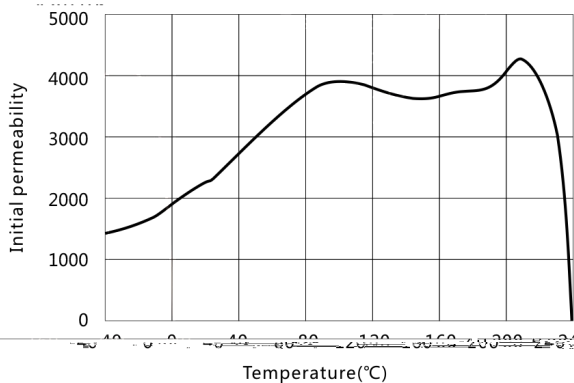
**Bs-Temperature**

H=1194A/m



Initial permeability	$\mu_i$	25°C	2300±25%	
Saturation magnetic flux density	Bs(mT)	25°C	510	
		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> )	100kHz 200mT	25°C	650
			100°C	410
			120°C	500
Curie temperature	Tc(°C)	≥220		
Electrical resistivity	$\rho(\Omega\cdot m)$	6.5		
Densitv	d(kg/m <sup>3</sup> )	4.8×10 <sup>3</sup>		

**$\mu_i$ -Temperature**



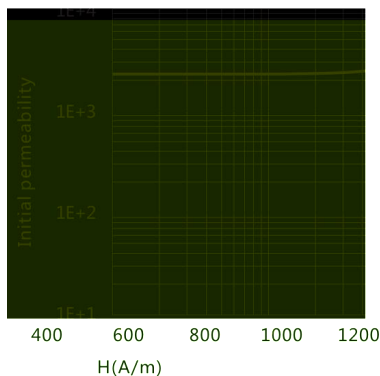
Test core : Toroid(mm)

OD : 25

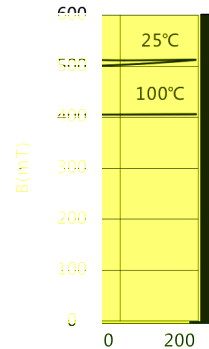
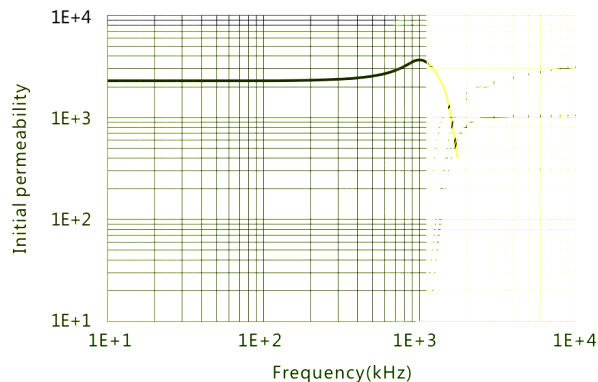
ID : 15

H : 7.5

**B-H**

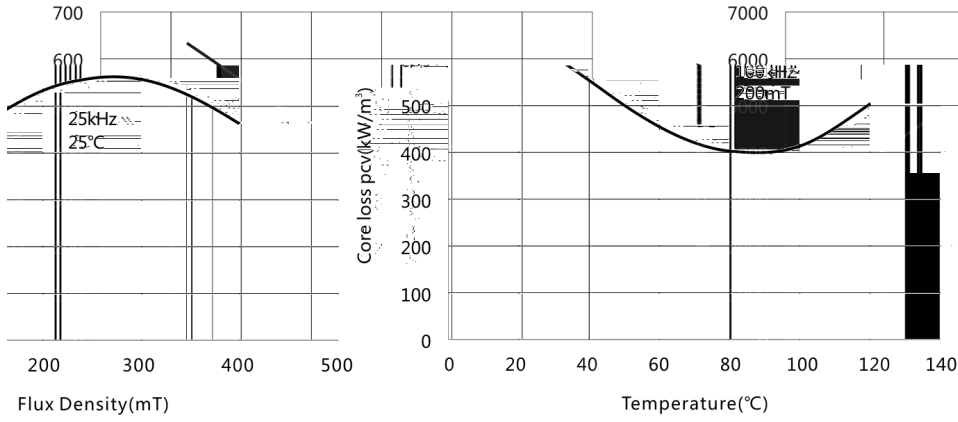


**$\mu_i$ -Frequency**

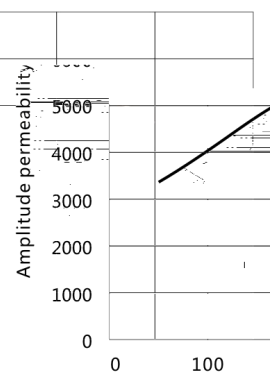


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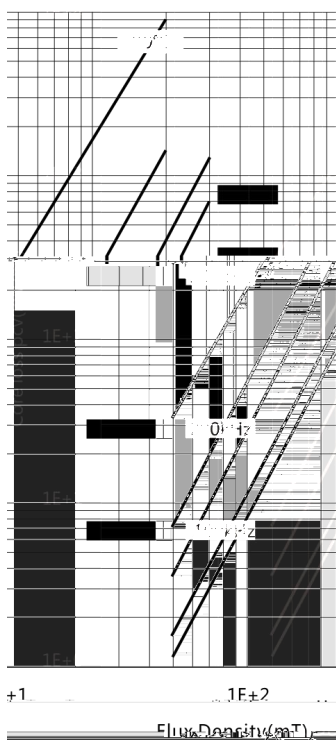
**Pcv-Temperature**



**$\mu_a$  - Bm**



**Pcv-Bm**



**Pcv-Bm**

