

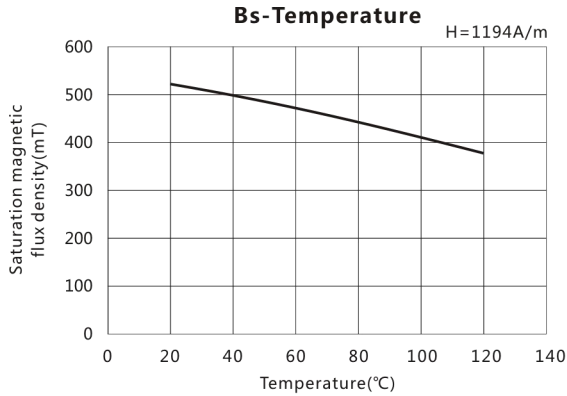
材料 Ma a TP4S

特点 F a

主要应用于中频段 小于 $H = 1194 \text{ A/m}$

低磁心损耗, 高饱和磁感应强度 $B_s = 520 \text{ mT}$

损耗最低的温度点约在 $25^\circ\text{C} \sim 120^\circ\text{C}$



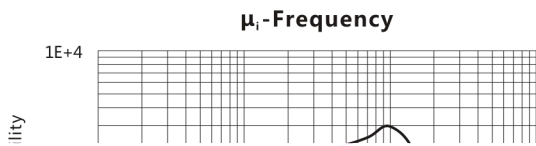
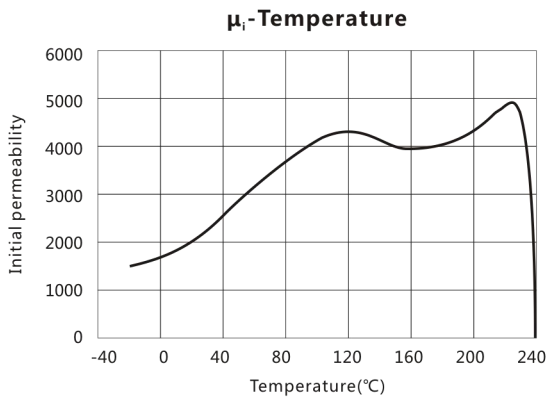
Initial permeability	μ_i	25°C	2000±25%
Saturation magnetic flux density	$B_s(\text{mT})$	25°C	520
		100°C	410
Remanence	$B_r(\text{mT})$	25°C	135
		100°C	60
Coercivity	$H_c(\text{A/m})$	25°C	13
		100°C	7
Core loss	$P_{cv}(\text{kW/m}^3)$ 100kHz 200mT	25°C	650
		100°C	300
		120°C	350
Curie temperature	$T_c(^\circ\text{C})$	≥220	
Electrical resistivity	$\rho(\Omega\cdot\text{m})$	6.5	
Density	$d(\text{kg/m}^3)$	4.8×10^3	

Test core : Toroid(mm)

OD : 25

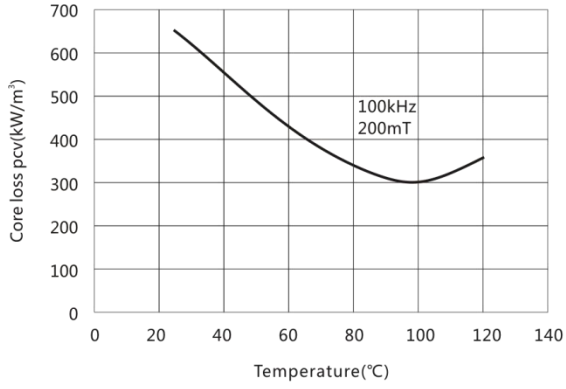
ID : 15

H : 7.5

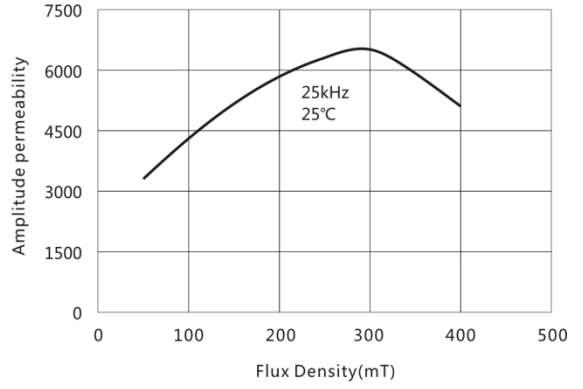


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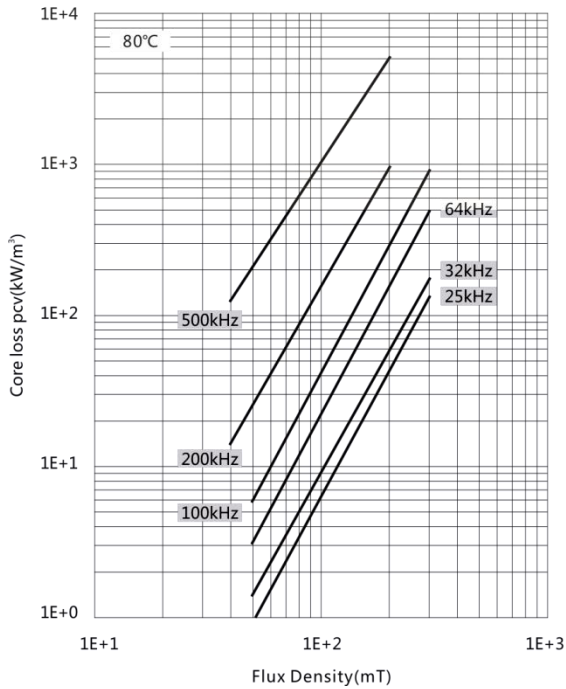
Pcv-Temperature



μ_a -Bm



Pcv-Bm



Pcv-Bm

