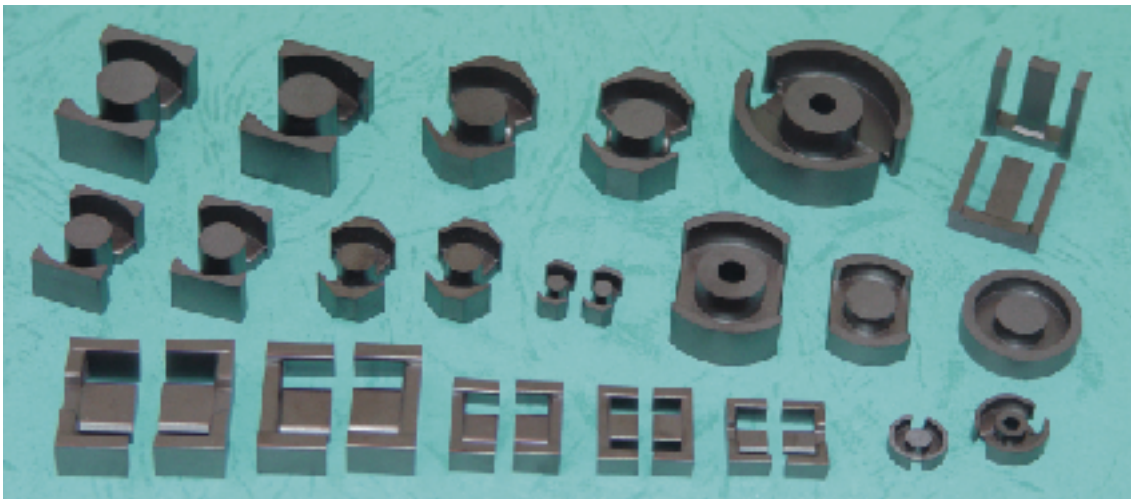


高频低损耗铁氧体材料TP5与TP5A

High Frequency, Low Loss Ferrite Material TP5 & TP5A



特点/Features:

1. 主要应用于高频段(300kHz到1MHz)/Mostly Used at High Frequency.(From 300kHz To 1MHz)
2. TP5A比TP5具有更低的磁芯损耗，尤其是在1MHz附近/The Corc Loss of TP5A Is Lower Than TP5,Especially Near 1MHz
3. 损耗最低的温度点约在80°C The Temperature Point of The Lowest Core Loss is about 80°C

应用/Application:

1. 高频开关电源变压器/Transformer for High Frequency Power Supply
2. 功率电感/Power Inductance
3. DC—DC转换变压器/The Transformer of DC—DC Convertor

标准形状/Typical Shape:

EPC, RM, EPM, PQ, UI

基本特性/Typical characteristics:

特性 Characteristics	测试条件 Measuring Conditions	单位 Unit	TP5	TP5A
起始磁导率 μ_i Initial Permeability	10KHz 25°C H < 0.4A/m	/	1400 ± 25%	1000 ± 25%
饱和磁通密度Bs Saturation Flux Density	H=1194A/m	25°C	470	480
		100°C	380	380
剩磁Br Remanence	25°C	mT	140	210
	100°C		98	160
矫顽力Hc Coercivity	25°C	A/m	36.5	45
	100°C		27.2	36
功率损耗Pcv Core Loss	500KHz 50mT	25°C	130	/
		60°C	/	50
	1MHz 50mT	100°C	80	50
		60°C	Kw/m ³	600
100°C	Kw/m ³	500	250	
电阻率 ρ Resistivity	/	$\Omega \cdot m$	8	8.5
居里温度Tc Curie Temperature	/	°C	≥240	≥240
密度d Density	/	kg/m ³	4.7 × 10 ³	4.7 × 10 ³

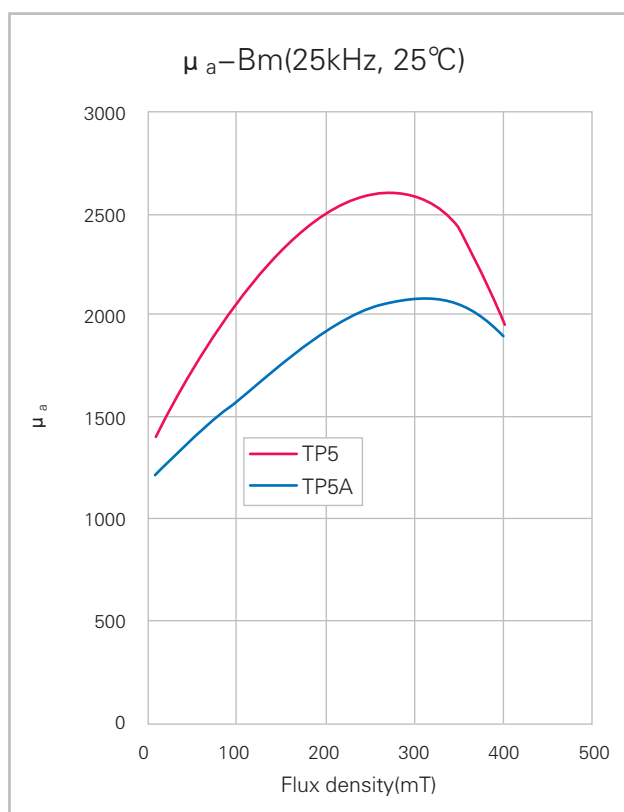
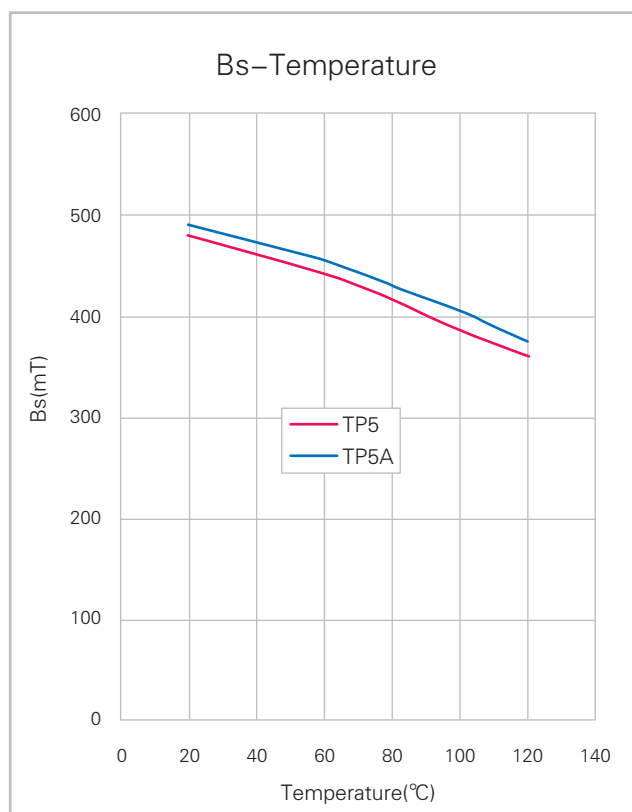
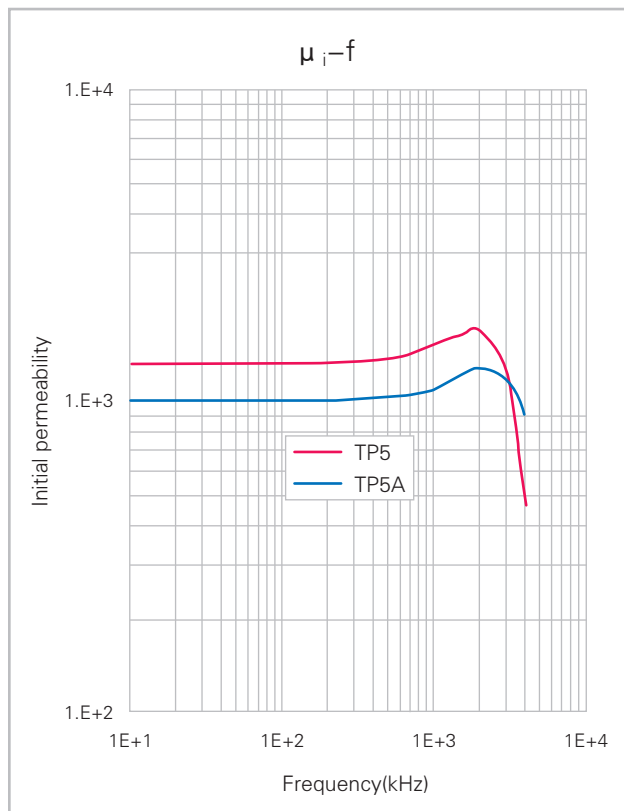
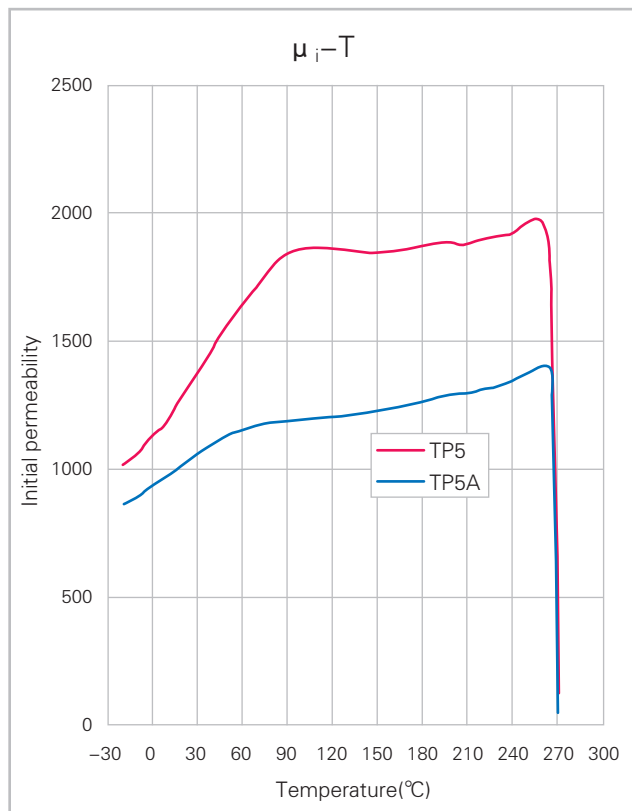


所列材料的特性为该材料的典型值，测定样环：T31 × 19 × 6
The value of material's characteristics are typical value. Sample core: T31 × 19 × 6

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主要特性图表/Main characteristics graph:

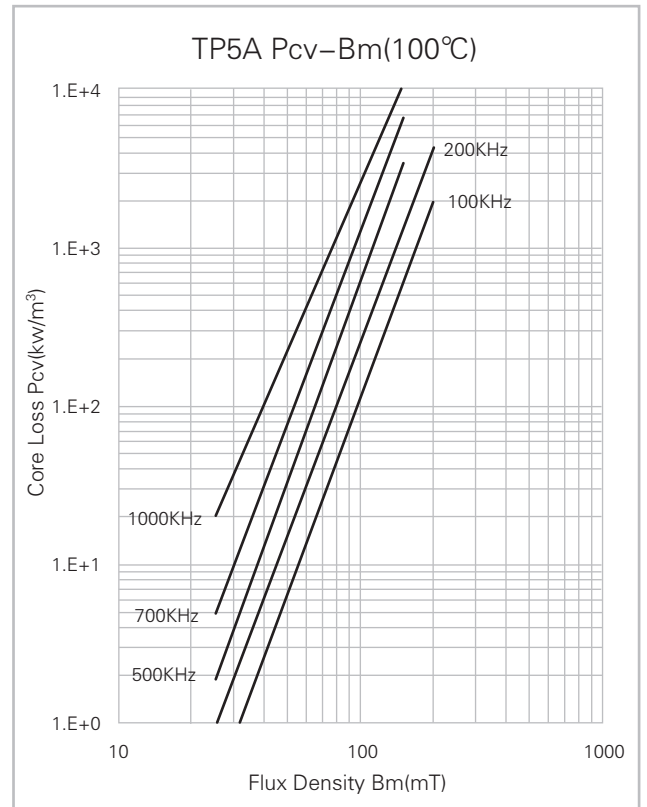
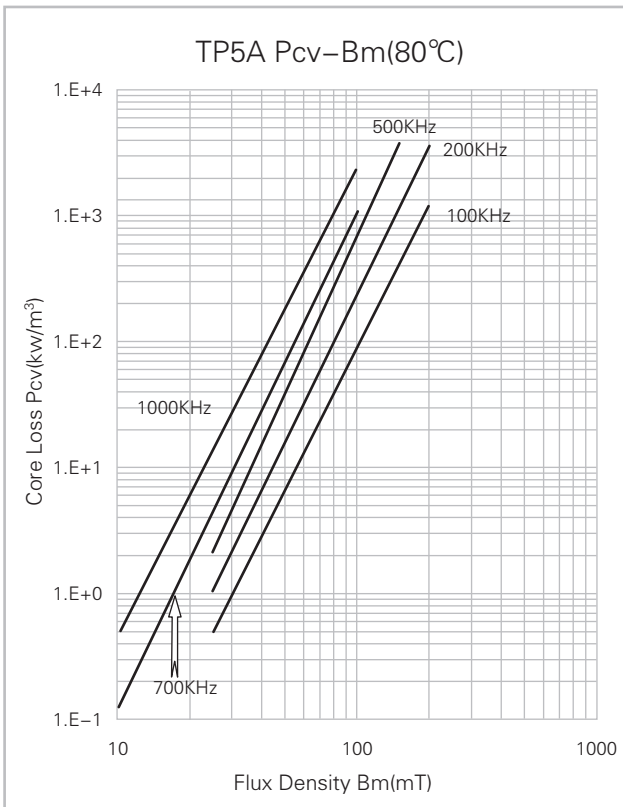
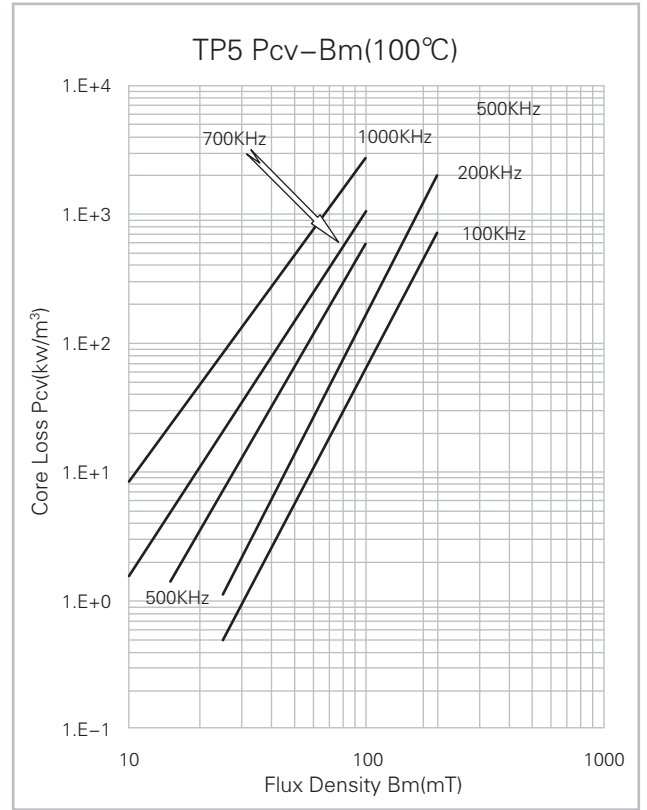
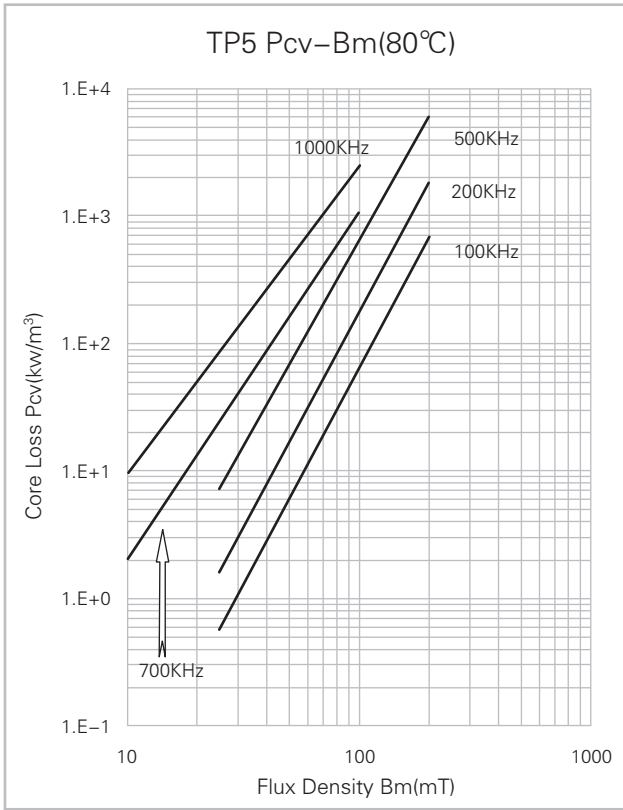


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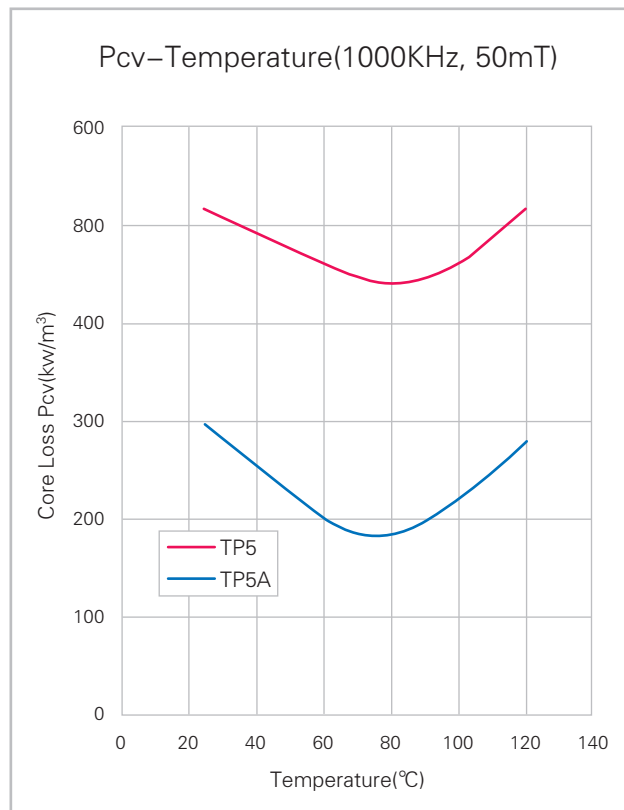
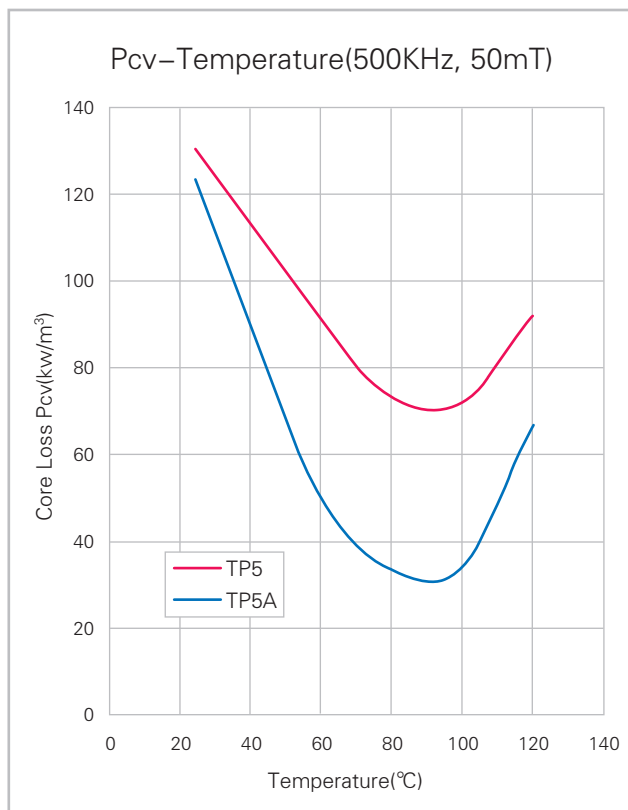


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主要特性图表/Main characteristics graph:



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