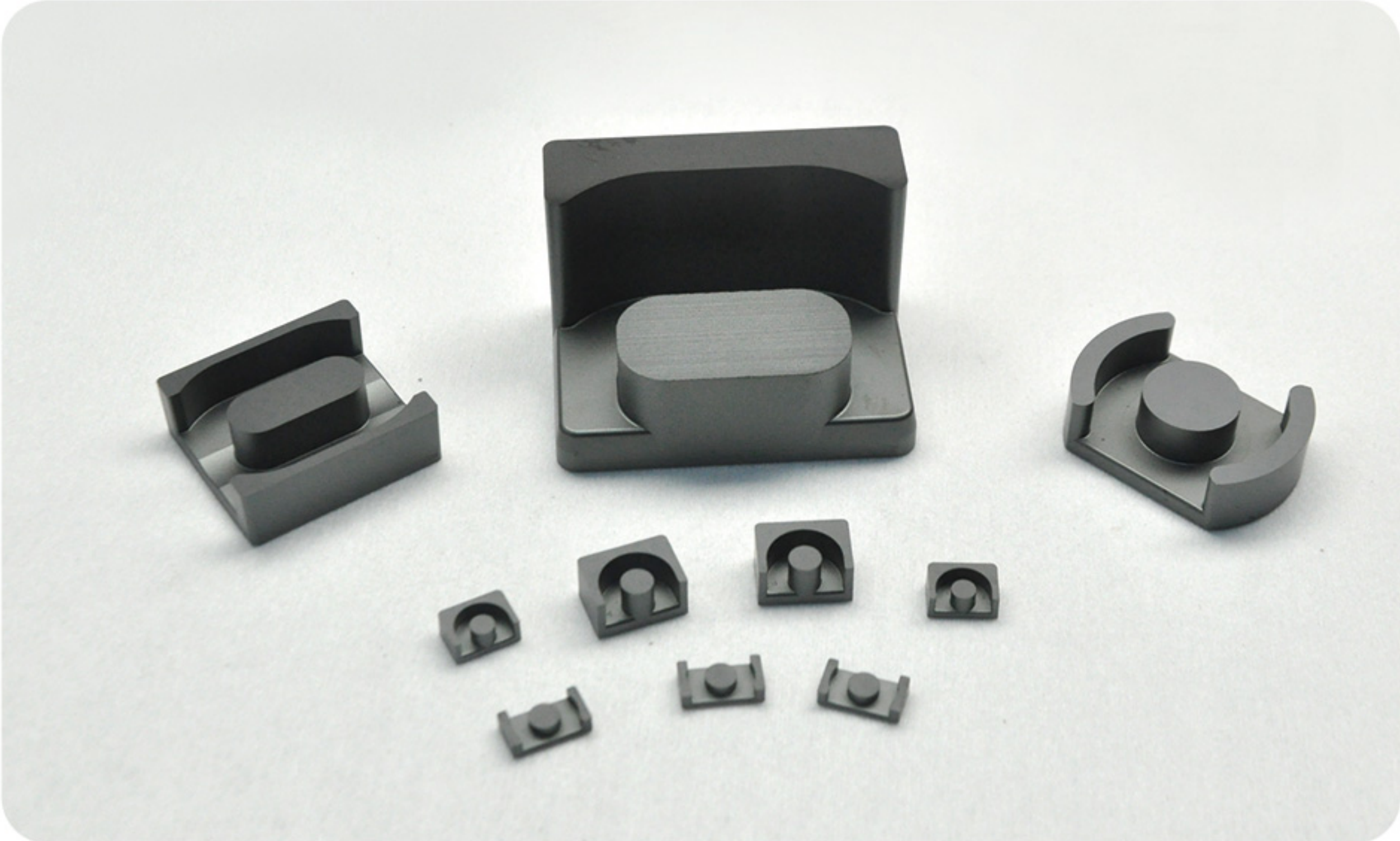
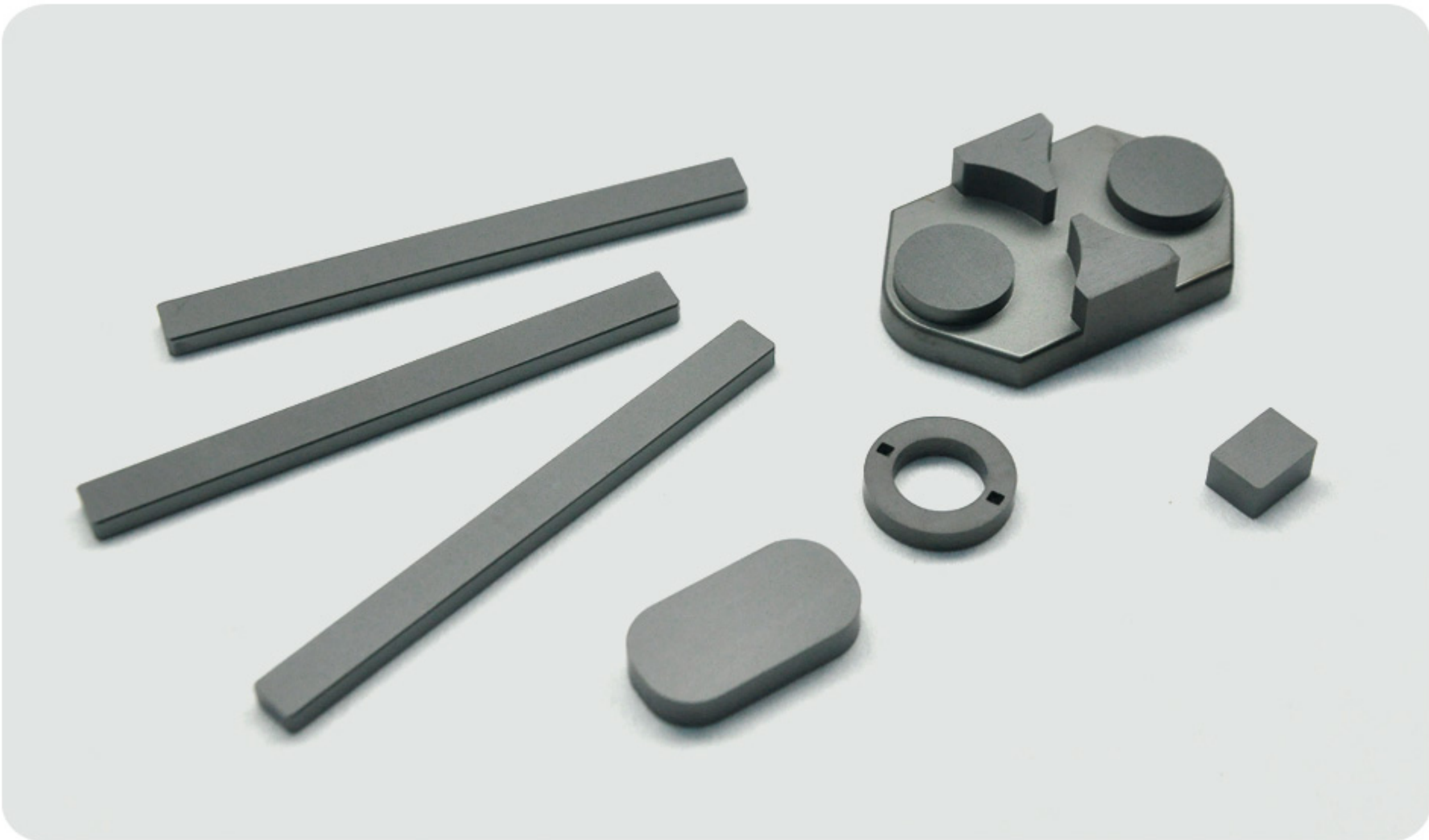
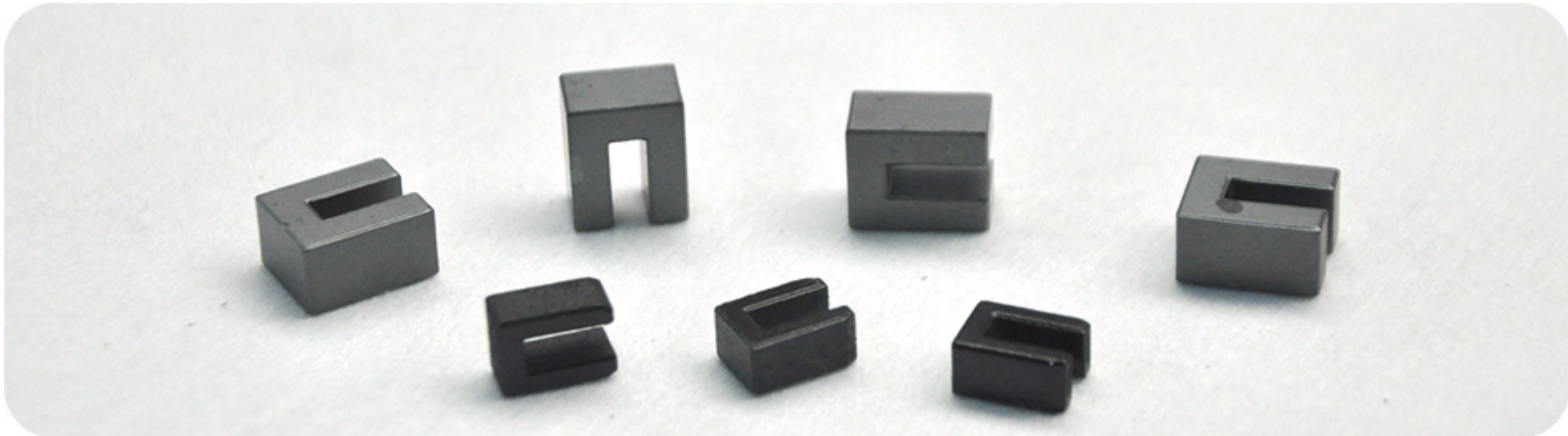
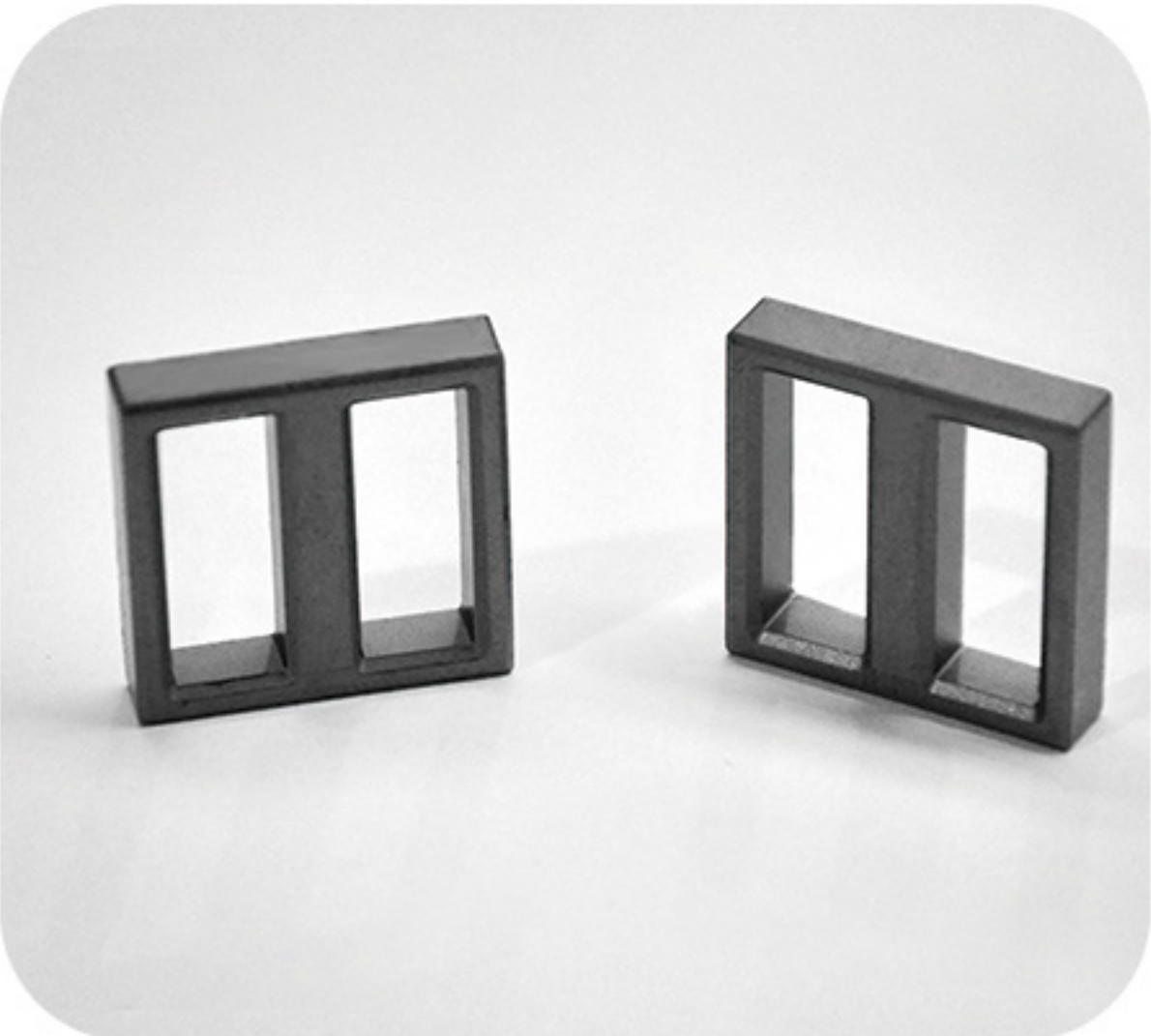
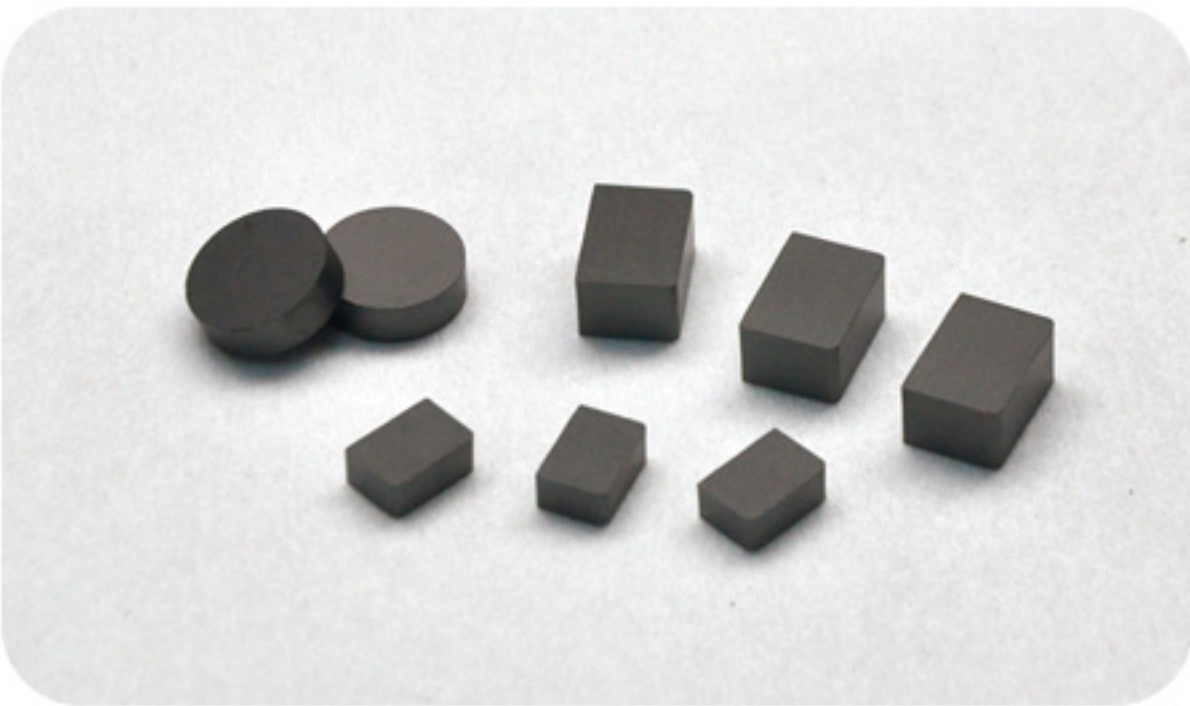
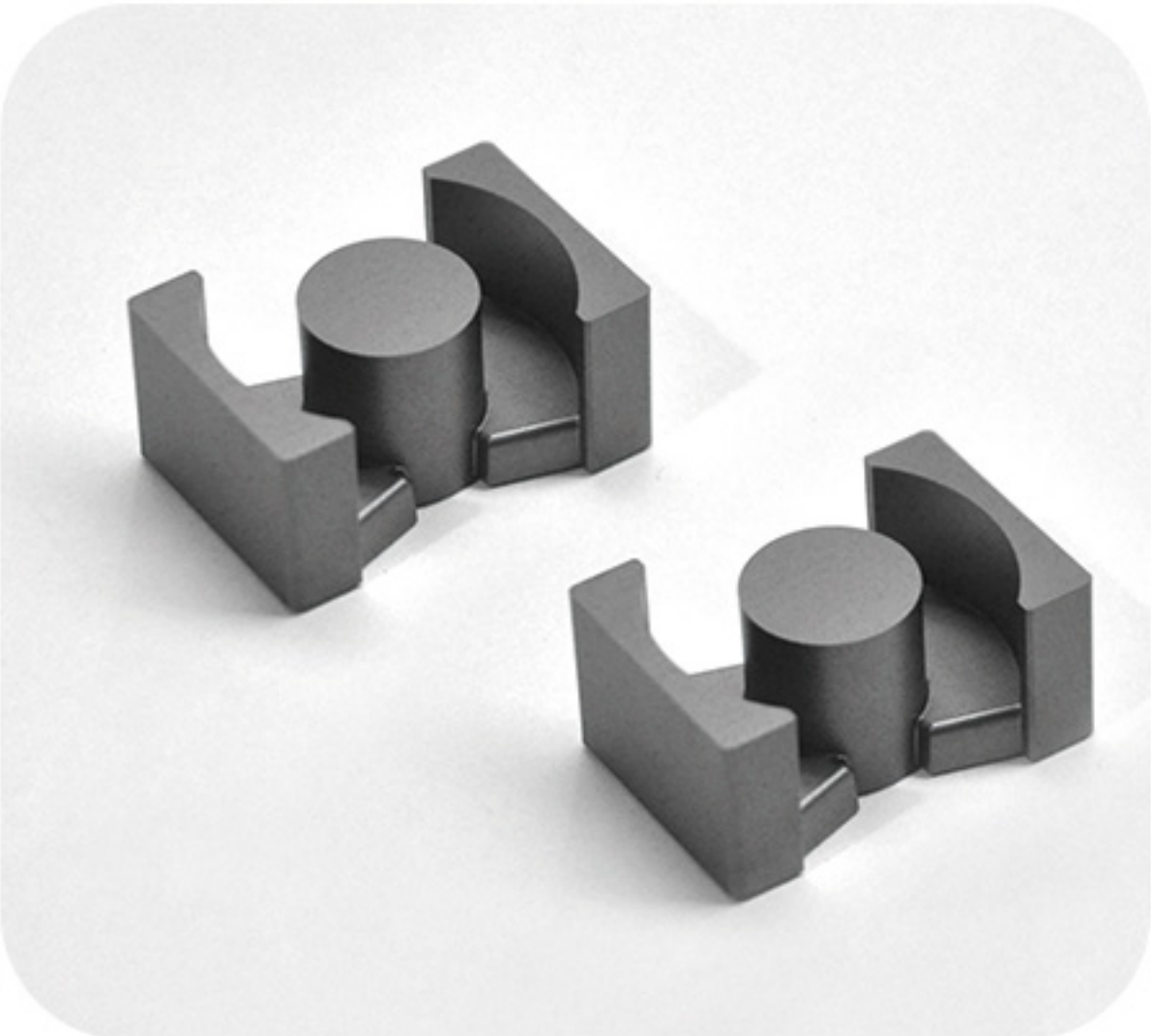
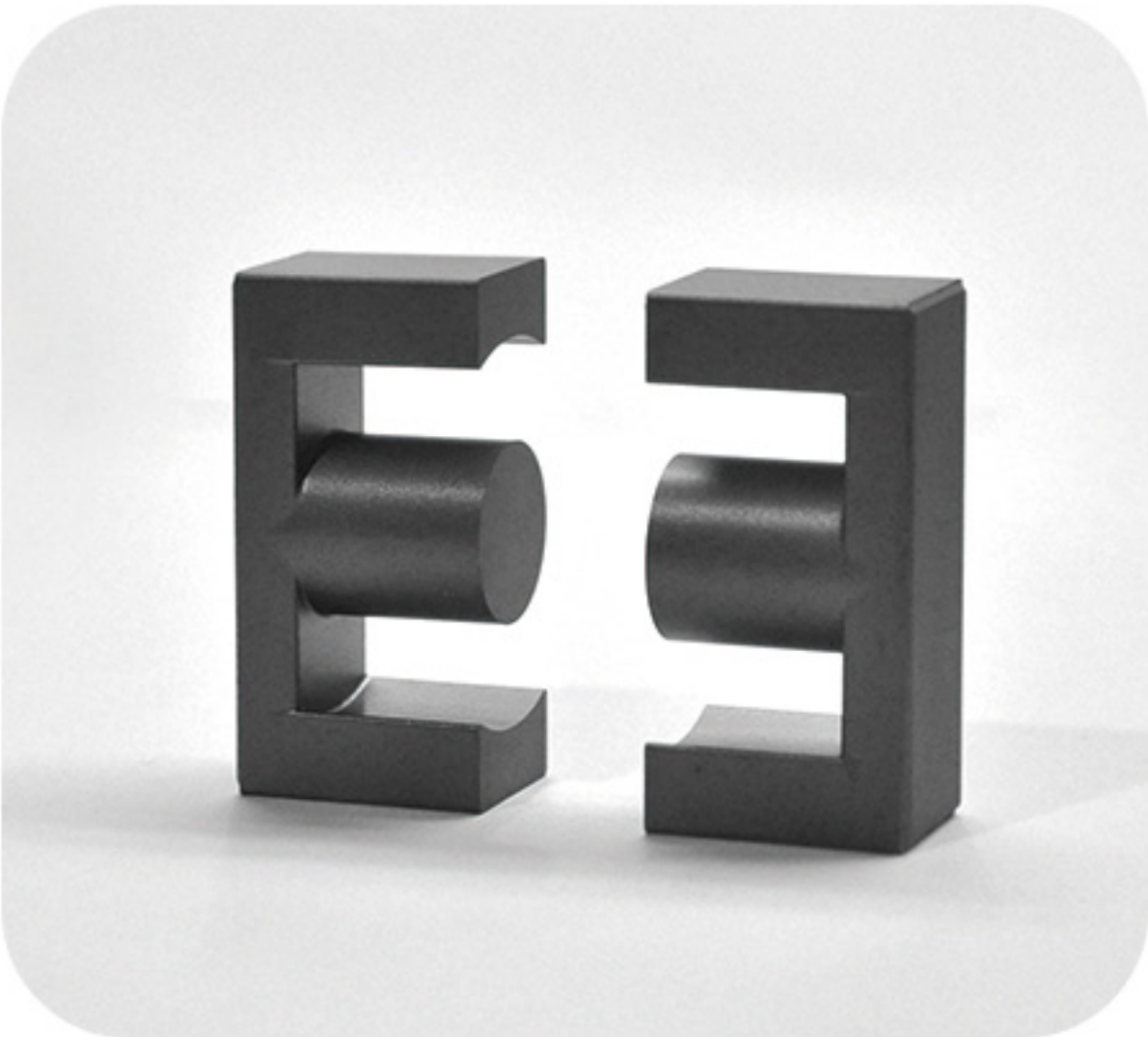
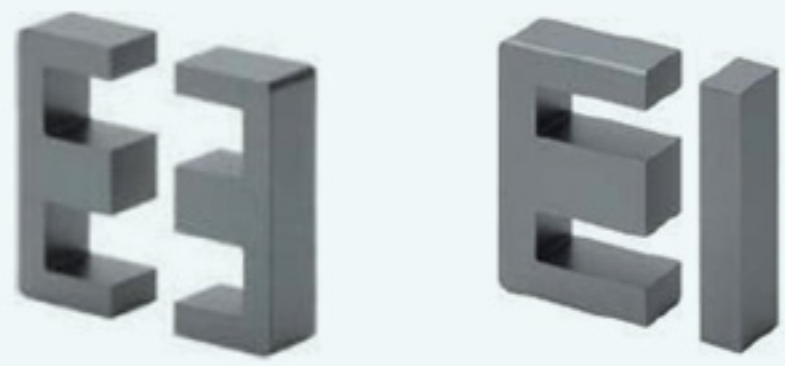
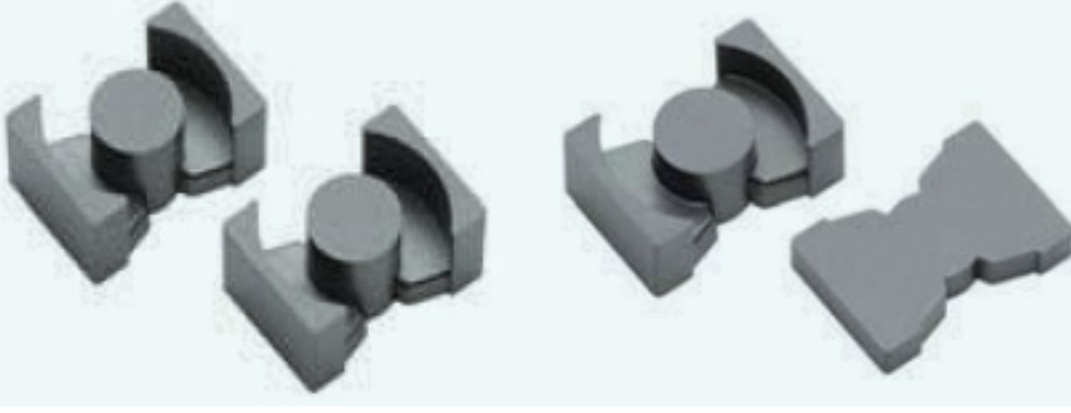
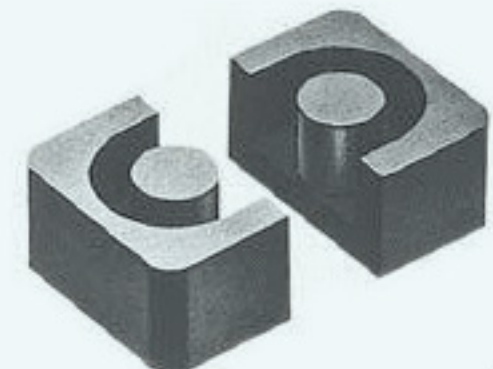
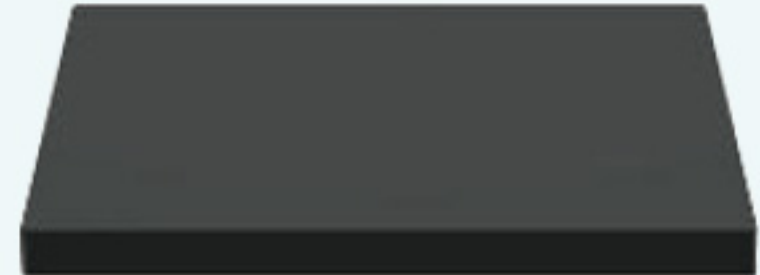


产品展示
Product Display

铁氧体磁芯产品 Ferrite Cores



规格尺寸概括 Specifications

磁芯类别 Type	形状示意图 Picture	长度尺寸范围(mm) Dimensions
EE/EF/EI		长度 / Length 5~130
EER/EC/ETD		长度 / Length 20~70
PQ/PQI		长度 / Length 16~107
EFD/EPC		长度 / Length 10~40
RM/RMS		RM4~14
CC		长度 / Length 15~50
EP		长度 / Length 5~50
UU/UI		长度 / Length 10~120
T		外径 / O.D. 10~150
POT		外径 / O.D. 7~60
ATQ		长度 / Length 15~50
SP方块型 (SP block)		长度 / Length 10~50
异形类 (Unique Shape)	Customized according to customer needs (by machining/tooling)	根据顾客需要定制开发(雕刻/开模)

磁芯形状尺寸(形状除了标品外，可以配合顾客进行开发；详细请参考产品目录)
In addition to the standard products, the shape and size of the magnetic core can be developed in cooperation with customers.
Please refer to the product catalog for details.

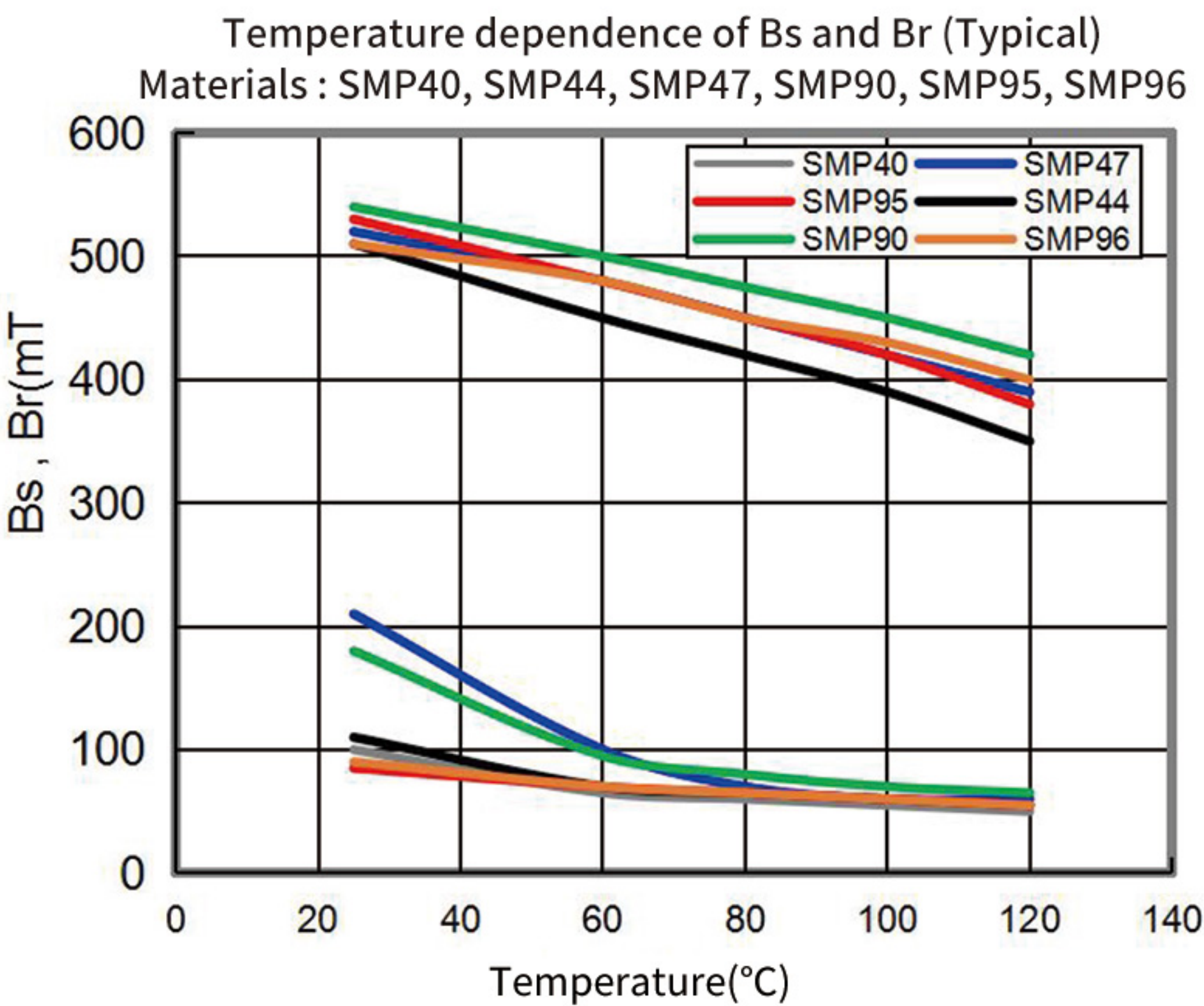
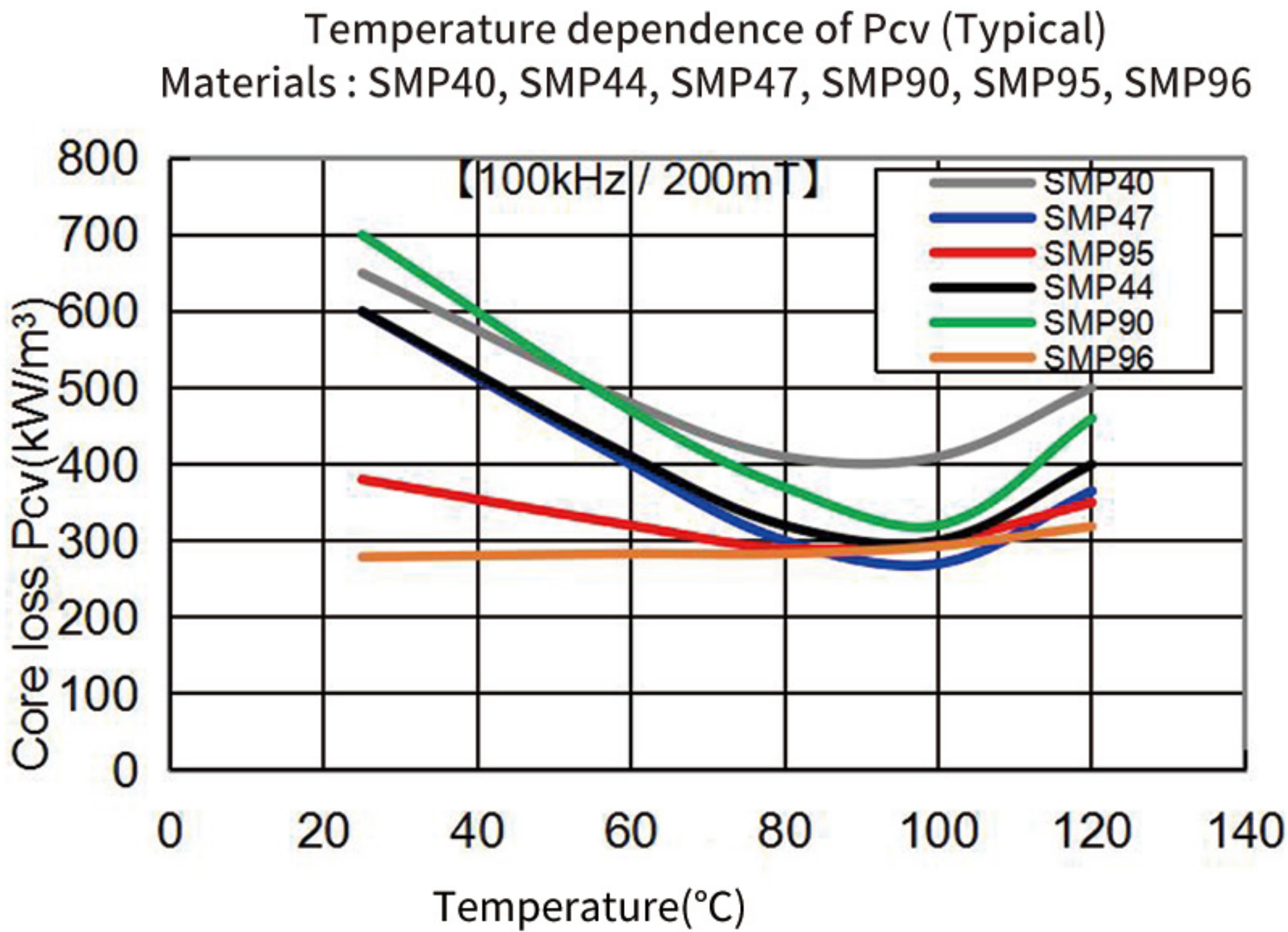
C

锰锌功率铁氧体材料特性

Characteristics of MnZn Power Ferrite Material

特性项目	Item	Symbol	Temp.	SMP40	SMP44	SMP47	SMP90	SMP95	SMP96
Initial Permeability		μ_i	25 °C	2300 ± 25 %	2400 ± 25 %	2500 ± 25 %	2200 ± 25 %	3300 ±25 %	3300 ±25 %
Core Loss	P _{cv}	kW/m ³ [B=200 mT] [f=100 kHz] sine wave	25 °C	650	600	600	700	380	280
			60 °C	480	410	400	470	320	280
			80 °C	410	320	300	370	290	280
			100 °C	410	300	270	320	300	290
			120 °C	500	400	365	460	350	320
Saturation Flux Density	B _s	mT [H=1194 A/m]	25 °C	510	510	520	540	530	510
			60 °C	450	450	480	500	480	460
			80 °C	420	420	450	475	450	450
			100 °C	390	390	420	450	420	430
			120 °C	350	350	390	420	380	400
Remanence	B _r	mT	25 °C	100	110	210	180	85	100
			60 °C	65	70	100	95	70	90
			80 °C	60	65	70	80	65	75
			100 °C	55	60	60	70	60	70
			120 °C	50	55	60	65	55	65
Coercivity	H _c	A/m	25 °C	14	13	14	14	12	11
			60 °C	11	9	9	9	9	9
			80 °C	10	7	8	8	8	8
			100 °C	9	7	7	7	7	7
			120 °C	8	6	7	7	6	6
Curie Temperature	T _c	°C min.		215	215	230	250	220	220
Resistivity	ρ	$\Omega\cdot m$	25 °C	6.5	6.5	4	4	4	4
Density	d	kg/m ³		4.8 x 10 ³	4.8 x 10 ³	4.9 x 10 ³	4.9 x 10 ³	4.9 x 10 ³	4.9 x 10 ³

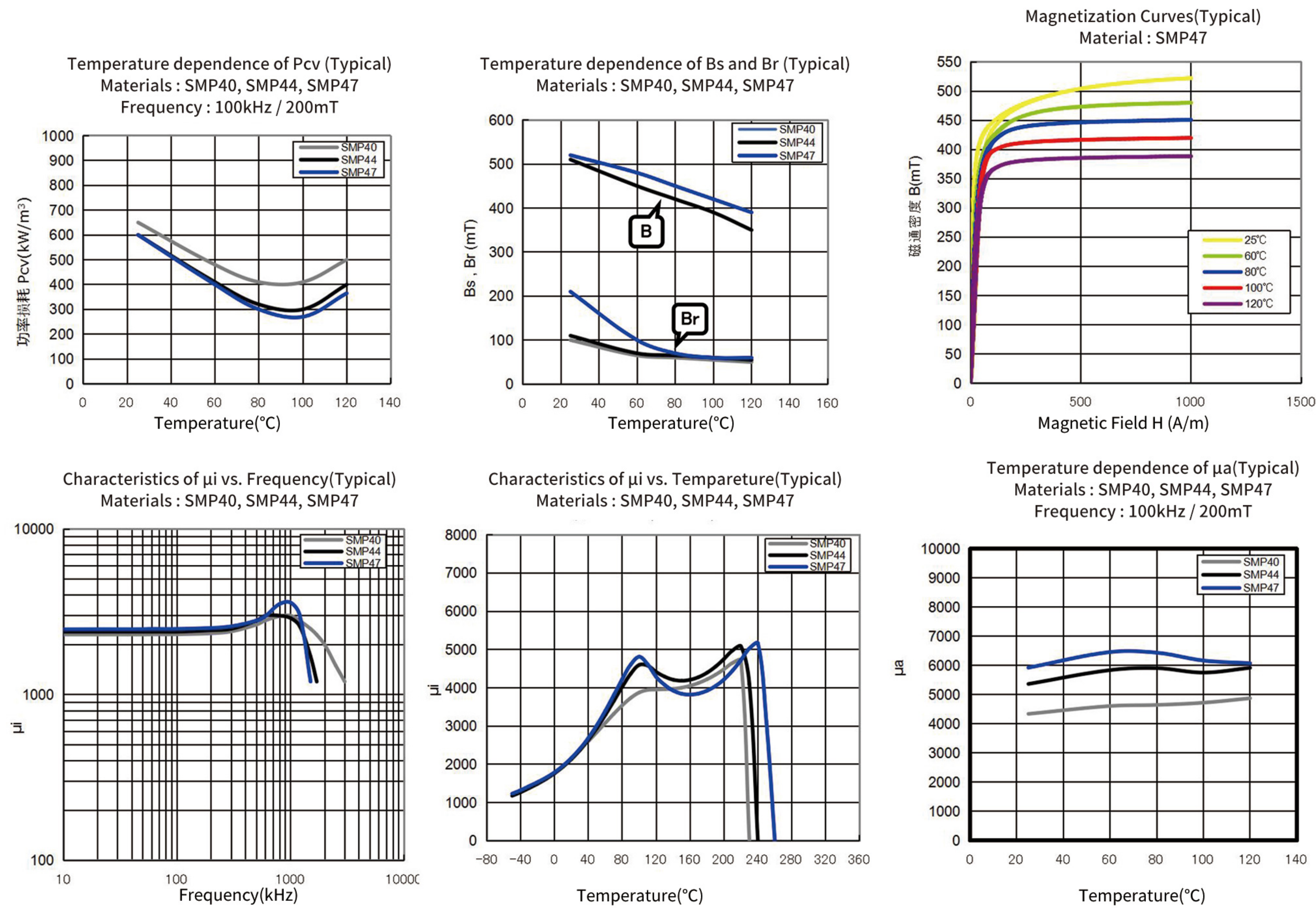
*除非另有规定，否则这些值显示为典型值。 *Values shown are typical unless otherwise specified.



电源用低损耗铁氧体材料SMP47
Low loss ferrite material for power supply SMP47

特性项目 Item				SMP47	SMP44	SMP40
初始磁导率 (10kHz) Initial Permeability	μ_i	25℃		2500±25%	2400±25%	2400±25%
			25℃	600	600	650
			60℃	400	430	480
			100℃	270	300	410
功率损耗 Core Loss (100kHz 200mT)	P_{cv} kW/m ³	25℃				
		60℃				
饱和磁通密度 Saturation Flux Density [H=1194 A/m]	B_s mT	25℃		520	510	510
		100℃		420	390	390
剩磁 Remanence	B_r mT	25℃		210	110	100
		100℃		60	60	55
居里温度 Curie Temperature	T_c °C min.			230	215	215
密度 Density	d_b kg/m ³			4.9x10 ³	4.8x10 ³	4.8x10 ³

*除非另有规定，否则这些值显示为典型值。 *Values shown are typical unless otherwise specified.

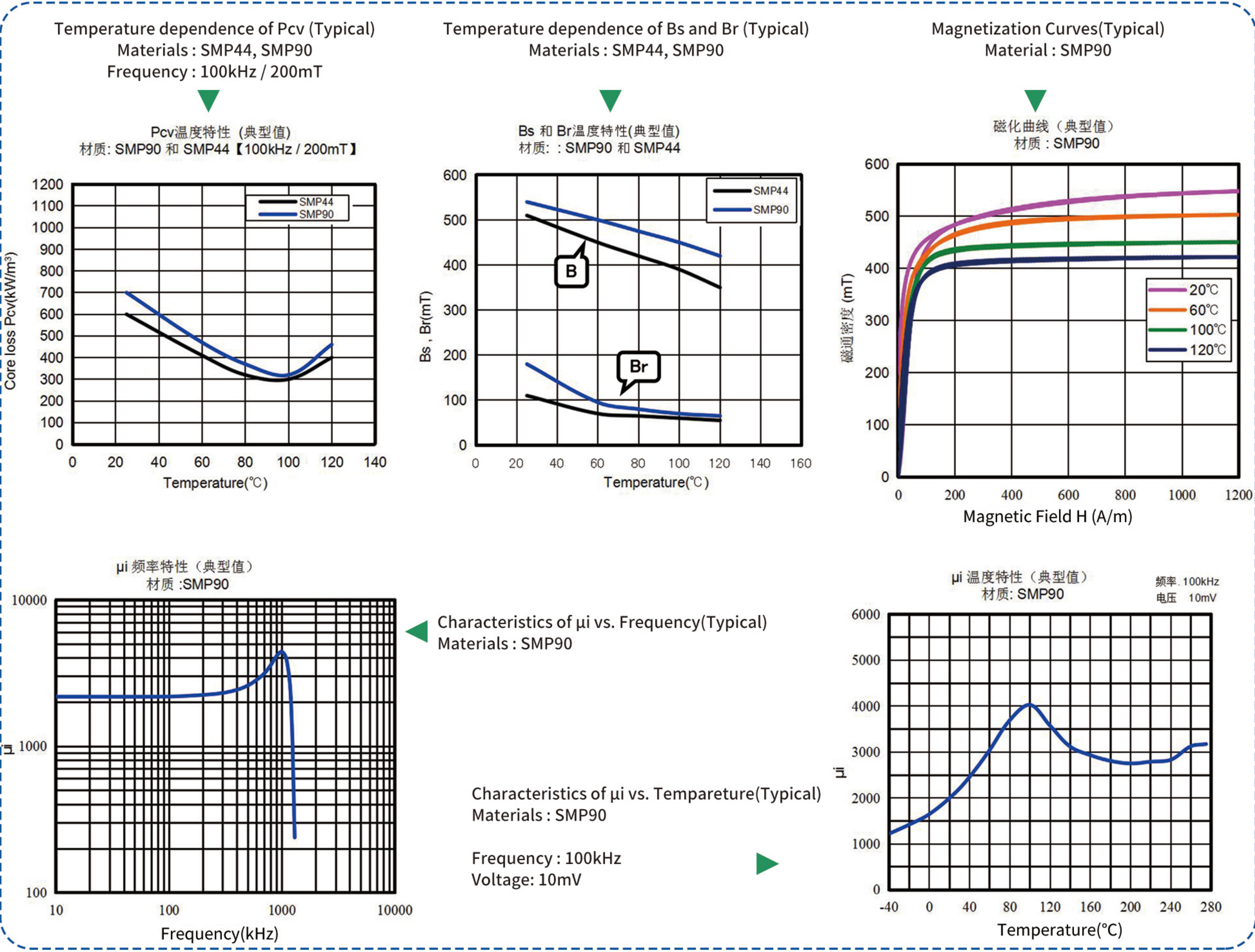


MnZn铁氧体材料SMP90（高饱和磁通密度和低损耗）

High saturation magnetic flux density and low loss MnZn ferrite material SMP90

特性项目 Item				SMP90	SMP44
初始磁导率（10kHz） Initial Permeability	μ_i	25℃		2200±25%	2400±25%
功率损耗 Core Loss (100kHz 200mT)	P_{cv} kW/m ³	25℃		700	600
		60℃		470	410
		100℃		320	300
饱和磁通密度 Saturation Flux Density [H=1194 A/m]	B_s mT	25℃		540	510
		100℃		450	390
居里温度 Curie Temperature	T_c °C min.			250	215
密度 Density	d_b kg/m ³			4.9×10 ³	4.8×10 ³

*除非另有规定，否则这些值显示为典型值。 *Values shown are typical unless otherwise specified.

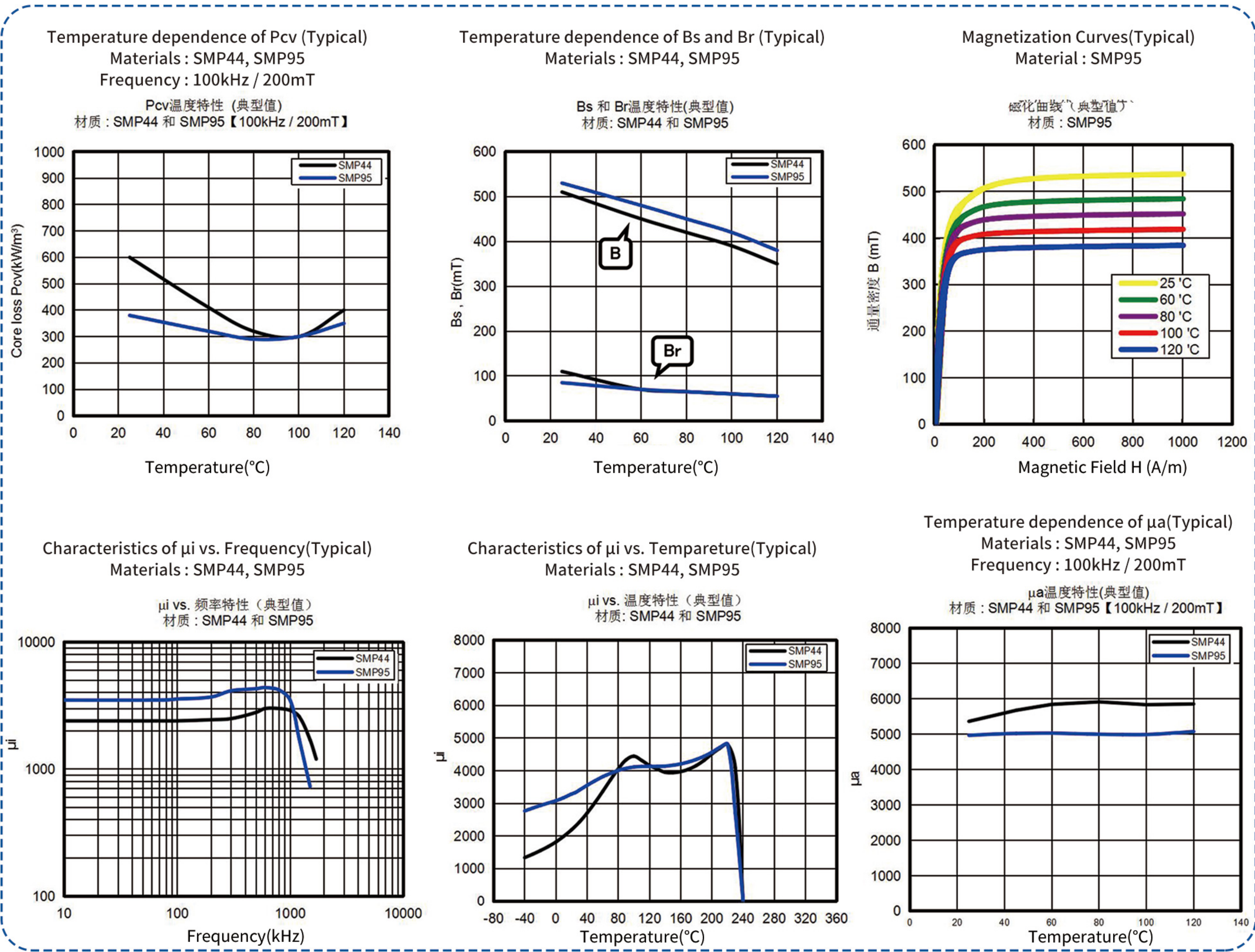


MnZn铁氧体材料SMP95（在较宽的温度及频率范围内低损耗材质）

Low loss MnZn ferrite material in wide temperature and frequency range SMP95

特性项目 Item				SMP95	SMP44
初始磁导率（10kHz） Initial Permeability	μ_i	25℃		3300±25%	2400±25%
功率损耗 Core Loss (100kHz 200mT)	Pcv kW/m ³	25℃		380	600
		80℃		290	320
		120℃		350	420
饱和磁通密度 Saturation Flux Density [H=1194 A/m]	Bs mT	25℃		530	510
		120℃		380	350
剩磁 Remanence	Br mT	25℃		85	110
		120℃		55	55

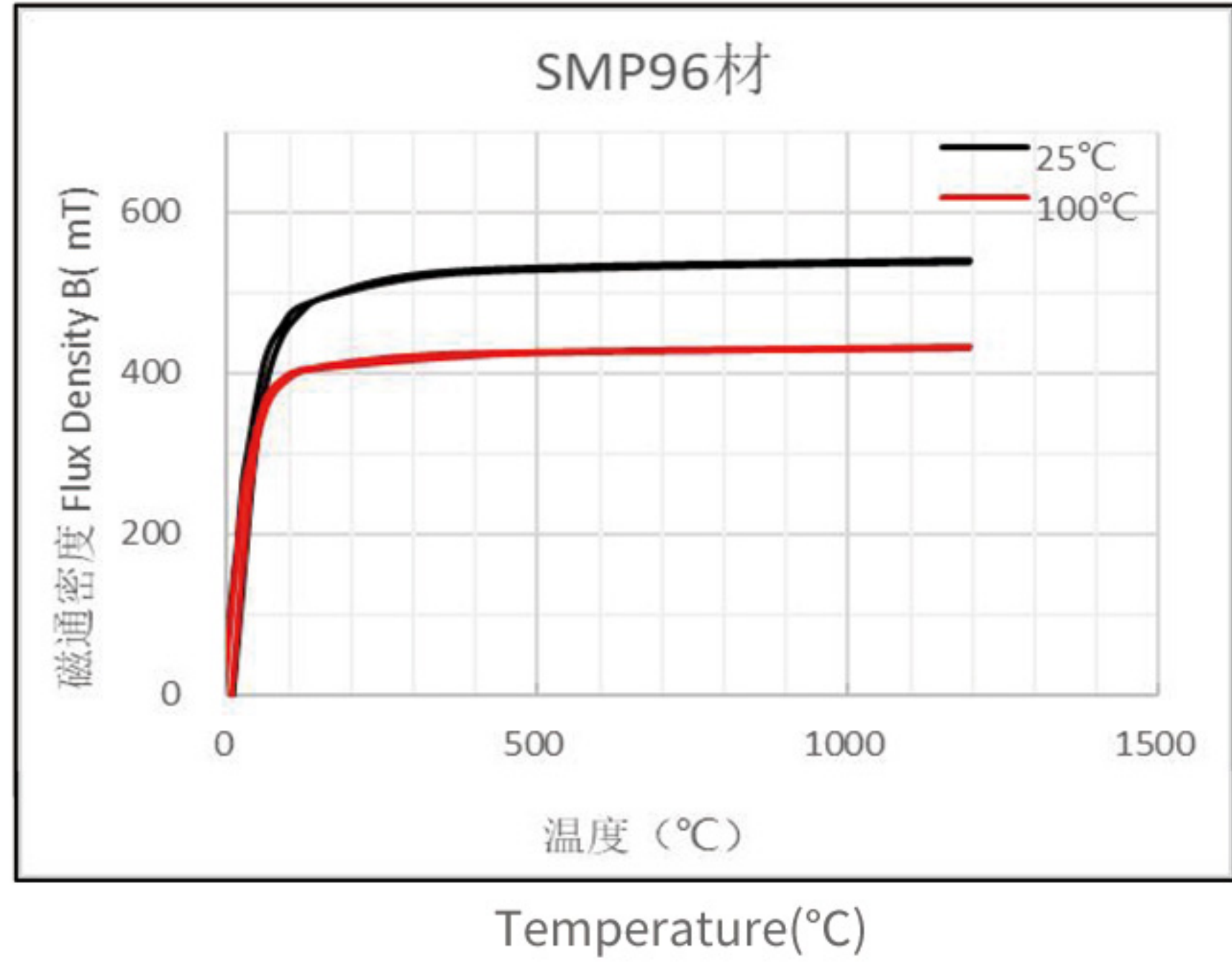
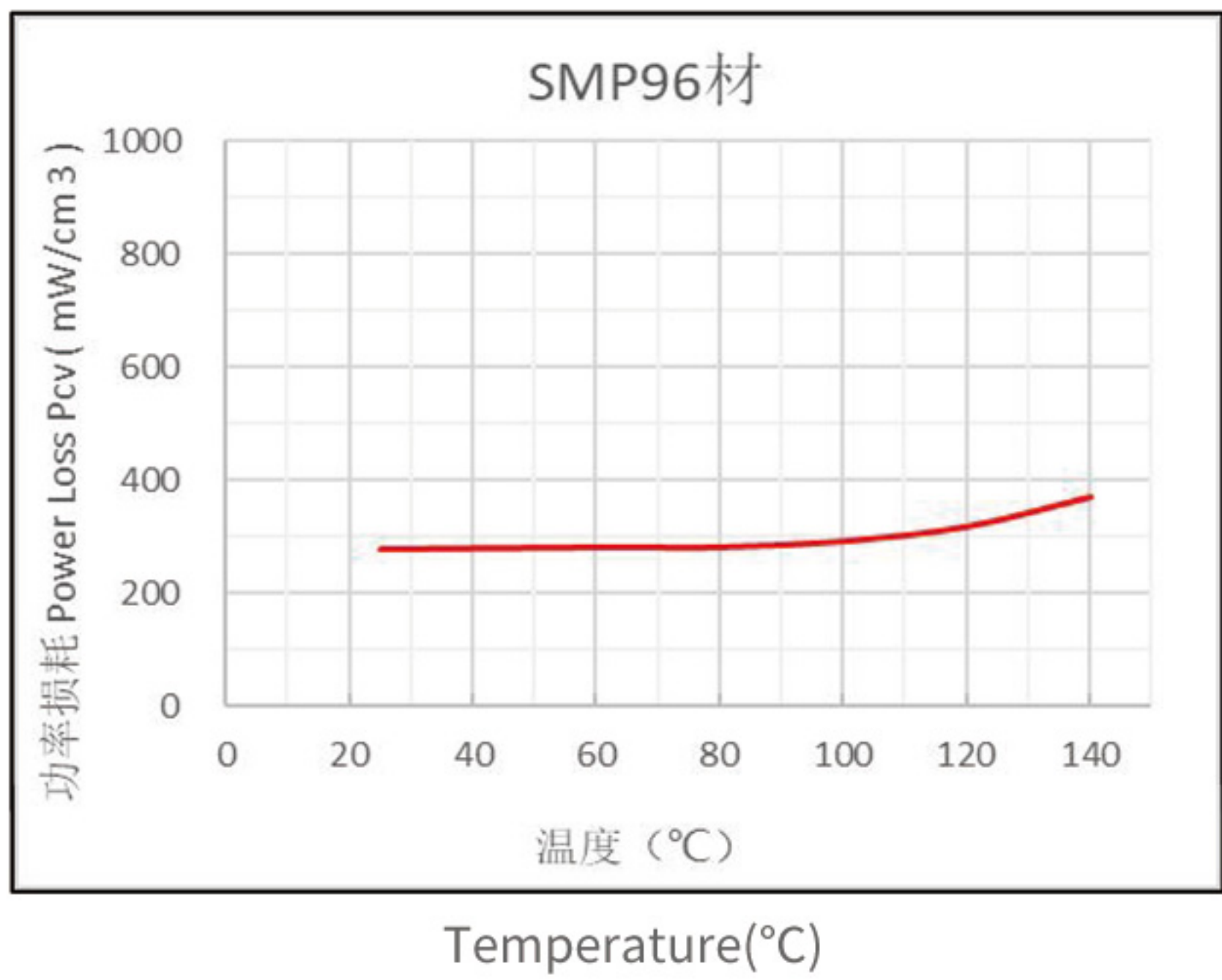
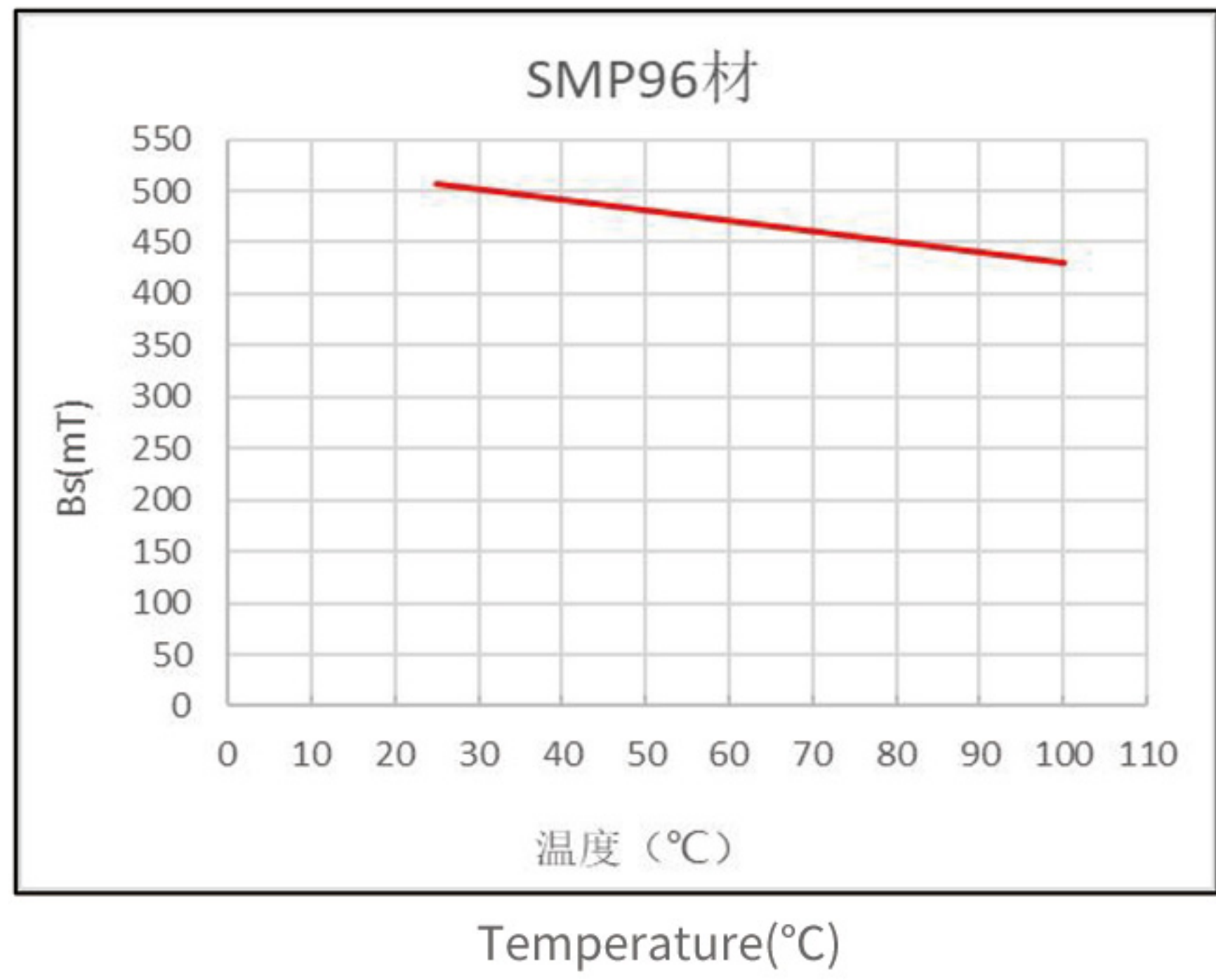
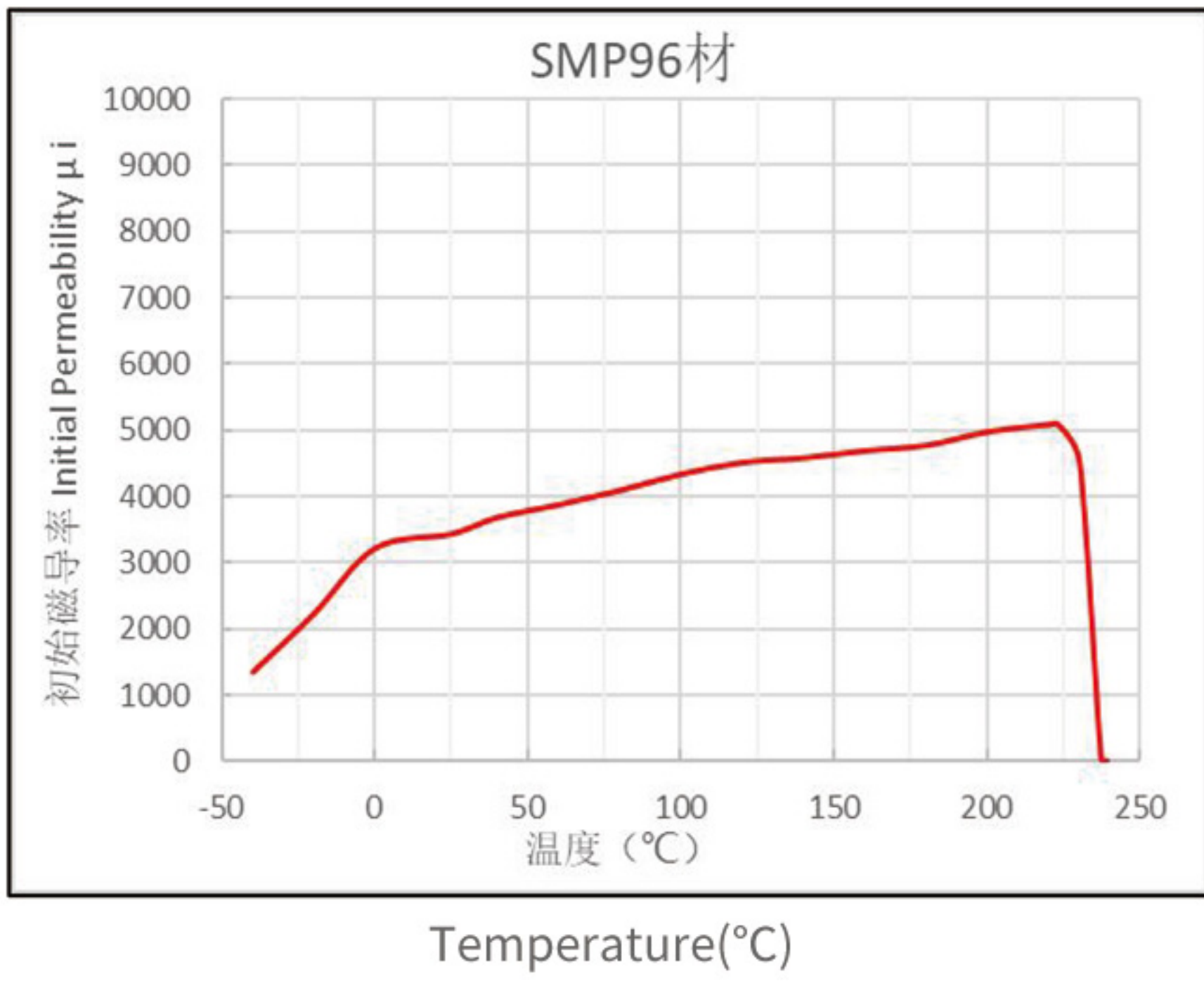
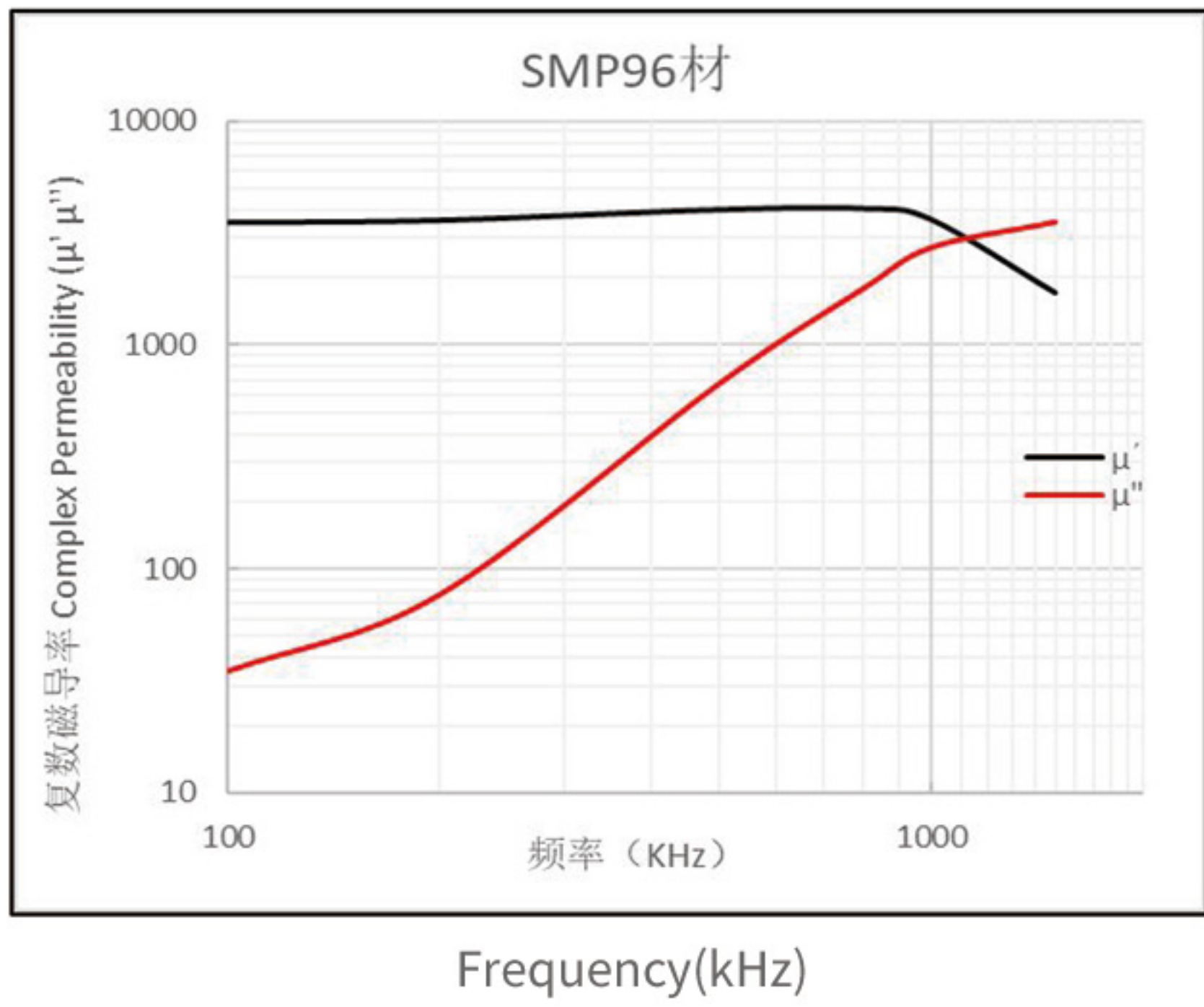
*除非另有规定，否则这些值显示为典型值。 *Values shown are typical unless otherwise specified.



MnZn铁氧体材料SMP96（宽温宽频范围内低损耗材质）

Low loss MnZn ferrite material in wide temperature and wide frequency range SMP96

特性项目 Item				SMP96
初始磁导率（10kHz） Initial Permeability	μ_i		25℃	3300±25%
			25℃	280
			60℃	280
			80℃	280
			100℃	290
			120℃	320
功率损耗 Core Loss	Pcv [B=200 mT] 100 kHz sine wave	kW/m ³	25℃	280
			60℃	280
			80℃	280
			100℃	290
			120℃	320
饱和磁通密度 Saturation Flux Density	Bs [H=1194 A/m]	mT	25℃	510
			100℃	430
剩磁 Remanence	Br	mT	25℃	100
			100℃	70
矫顽力 Coercivity	Hc	A/m	25℃	11
			100℃	7
居里温度 Curie Temperature	Tc	℃ min.		220
电阻率 Resistivity	ρ	$\Omega\cdot\text{m}$	25℃	4
密度 Density	d	kg/m ³		4.9 x 10 ³



C 锰锌高磁导率铁氧体材料特性

Characteristics of MnZn Ferrite Core-High Permeability

特性项目 Item	表示符号 Symbol		SMH52	SMH72	SMH10
初始磁导率 (10kHz) Initial Permeability	μ_i		5500±30%	7500±30%	10000±30%
比损耗因子 Relative Loss Factor	$\tan\delta/\mu_i\times10^{-6}$		10 (100kHz)	30 (100kHz)	30 (100kHz)
饱和磁通密度 Saturation Flux Density	Bs	mT	410	410	380
	[H=1194 A/m]				
剩磁 Remanence	Br	mT	70	80	120
矫顽力 Coercivity	Hc	A/m	6	6	6
居里温度 Curie Temperature	Tc	°C	> 150	> 130	> 120
密度 Density	d_b	kg/m ³	4.8×10 ³	4.8×10 ³	4.9×10 ³
电阻率 Resistivity	ρ_v	Ω·m	1	0.3	0.2

Note: 1.*平均值 2.除非另有说明, 否则这些值是在室温下用环形磁芯获得的。
1. *Average 2. Values are obtained with toroidal cores at room temperature unless otherwise noted.

