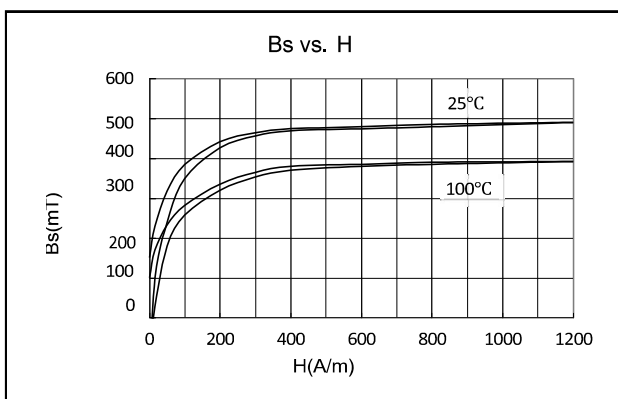
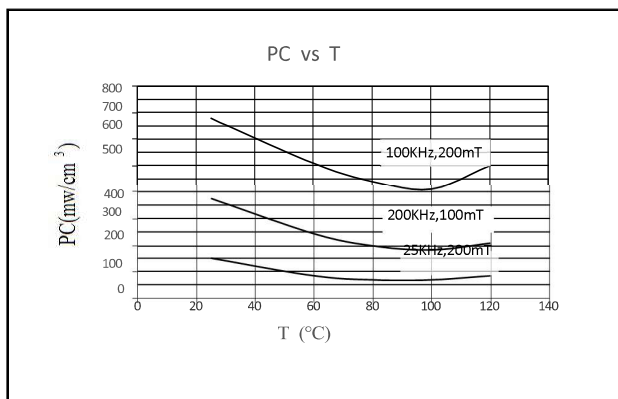
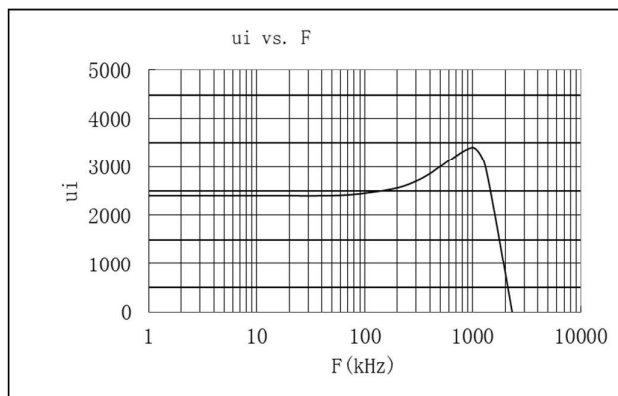
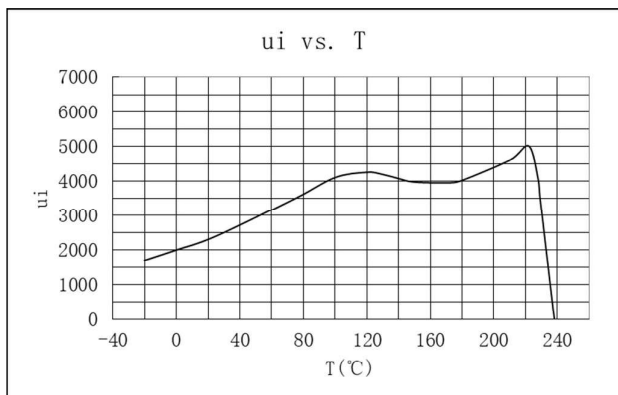


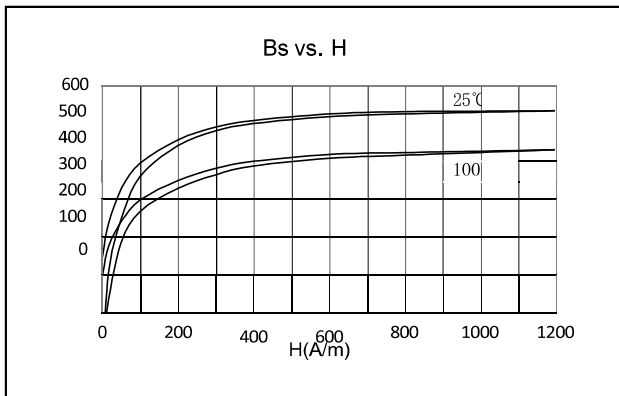
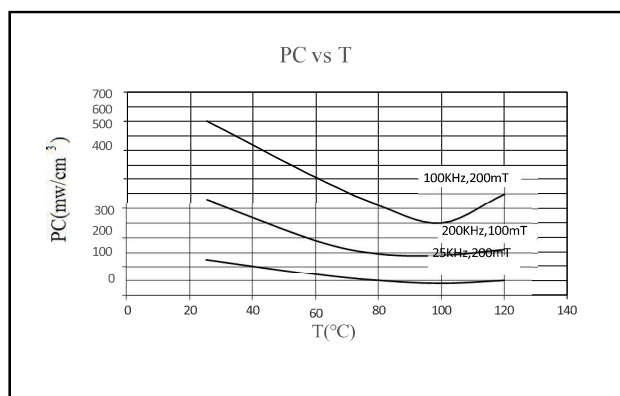
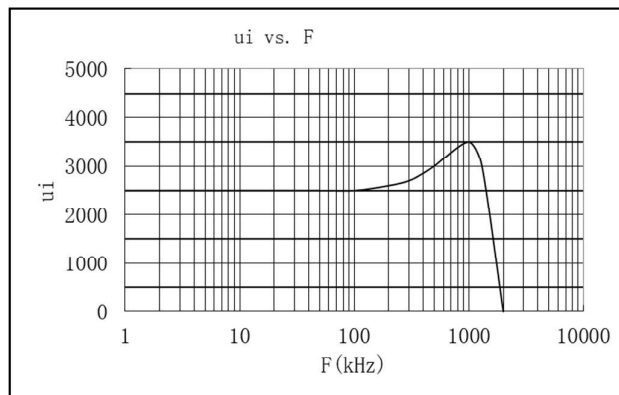
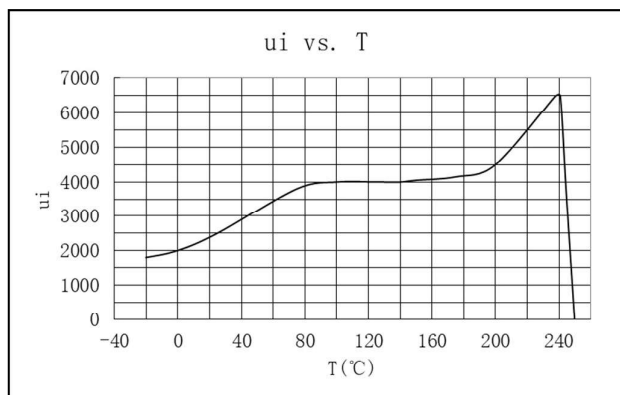
PC40 MATERIAL CHARACTERISTICS

Characteristics	Symbol	Unit		PC40
Initial permeability	μ_i	—		2400 $\pm 25\%$
Saturation flux density	B_s 1200A/m	mT	25°C	490
			100°C	390
Remanence	B_r	mT		150
Coercivity	H_c	A/m		12
Curie temperature	T_c	°C	—	≥ 220
Power loss ($f=100\text{kHz}, B=200\text{mT}$)	P_L	mw/cm^3	25°C	650
			100°C	410
			120°C	500
Density	D	kg/m^3	—	4800



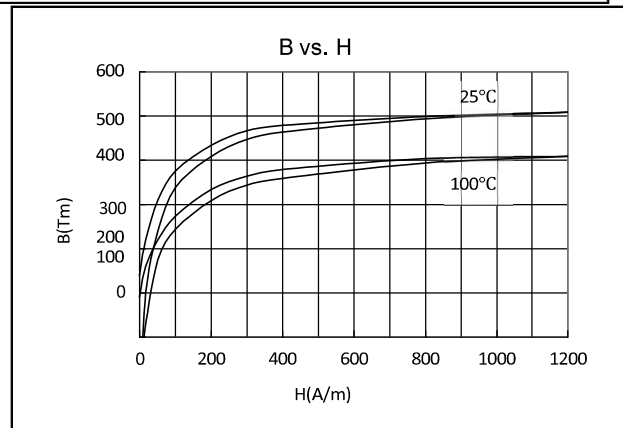
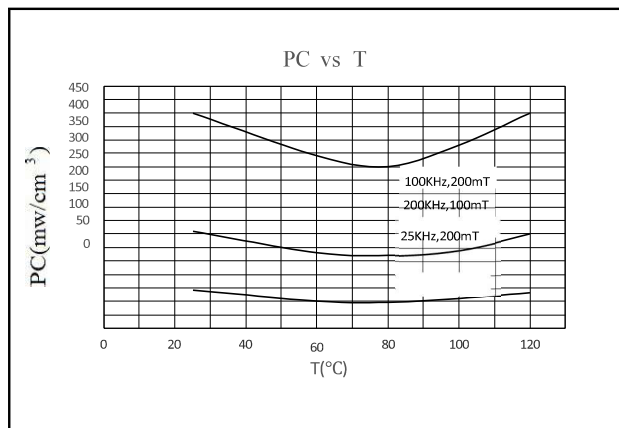
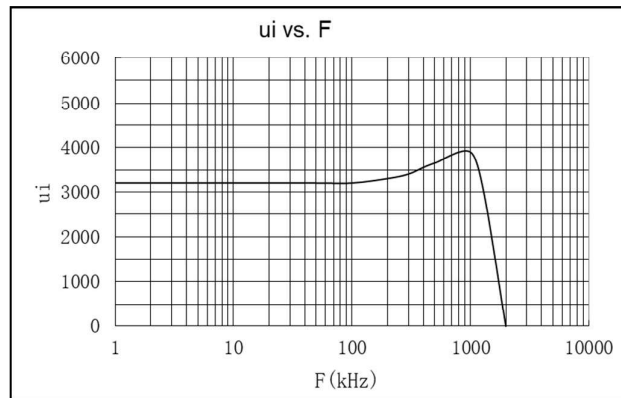
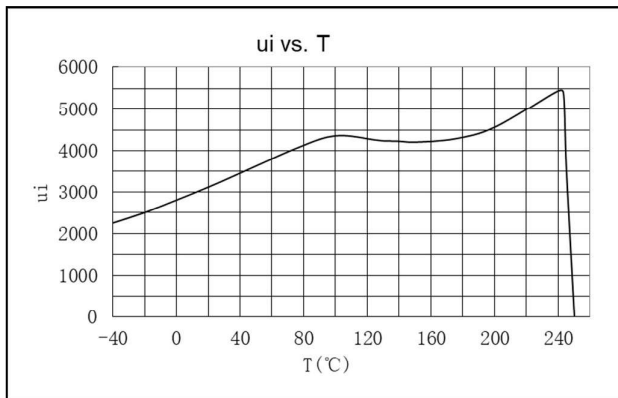
PC44 MATERIAL CHARACTERISTICS

Characteristics	Symbol	Unit		PC44
Initial permeability	μ_i	—		2500 $\pm 25\%$
Saturation flux density	B_s 1200A/m	mT	25°C	520
			100°C	420
Remanence	B_r	mT		150
Coercivity	H_c	A/m		9
Curie temperature	T_c	°C	—	≥ 220
Power loss ($f=100\text{kHz}, B=200\text{mT}$)	P_L	mw/cm^3	25°C	600
			100°C	300
			120°C	380
Density	d	kg/m^3	—	4800



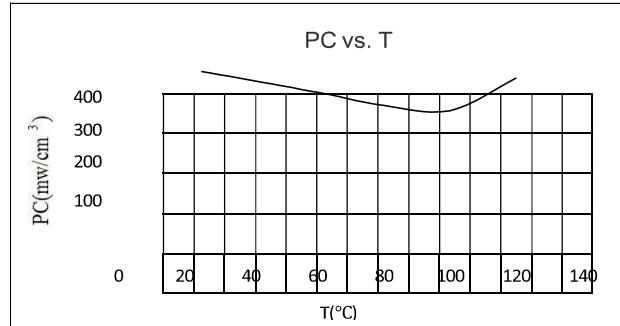
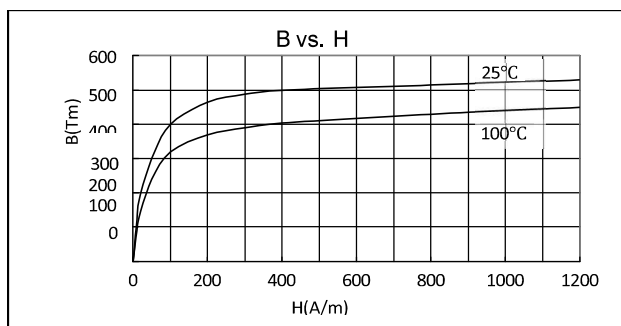
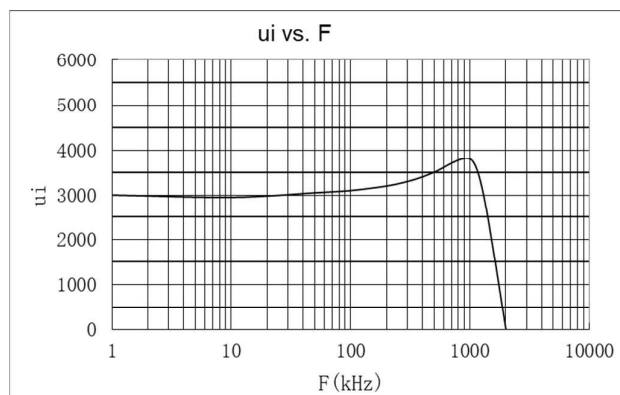
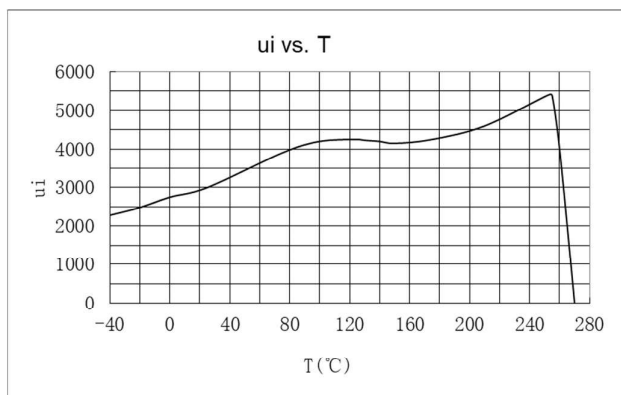
PC95 MATERIAL CHARACTERISTICS

	Symbol	Unit		PC95
Initial permeability	μ_i	—		3200 $\pm 25\%$
Saturation flux density	B_s 1200A/m	mT	25°C	510
			100°C	410
Remanence	B_r	mT		60
Coercivity	H_c	A/m		8
Curie temperature	T_c	°C	—	≥ 220
Power loss ($f=100\text{kHz}, B=200\text{mT}$)	P_L	mw/cm^3	25°C	400
			80°C	300
			100°C	340
			120°C	400
Density	d	kg/m^3	—	4800



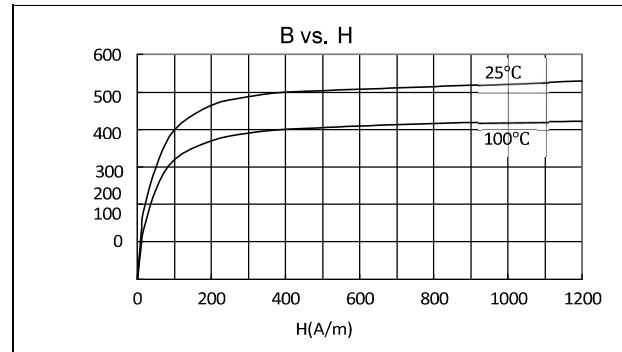
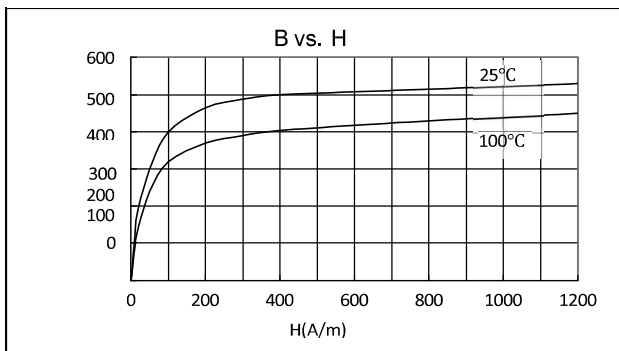
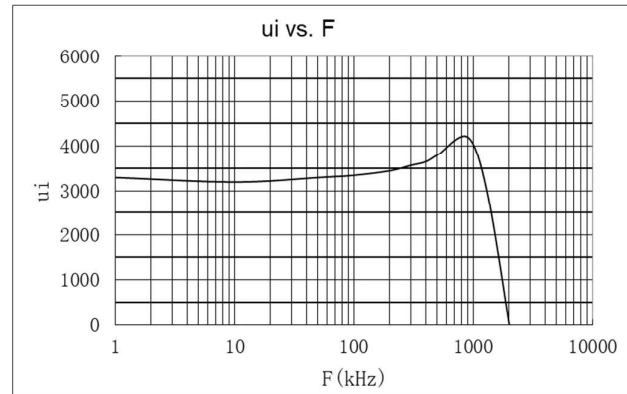
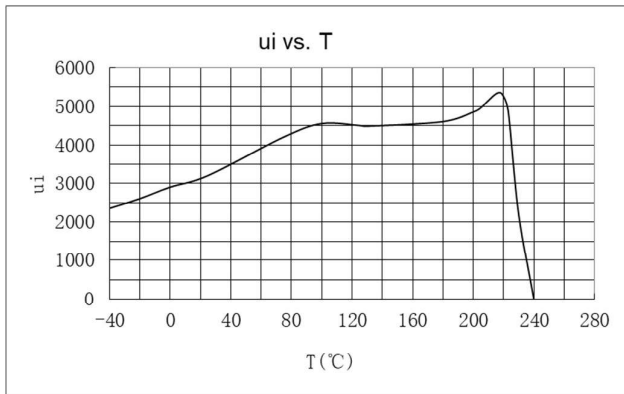
PC96 MATERIAL CHARACTERISTICS

Characteristics	Symbol	Unit		PC96
Initial permeability	μ_i	—		3000 $\pm 25\%$
Saturation flux density	B_s 1200A/m	mT	25°C	530
			100°C	450
Remanence	B_r	mT		90
Coercivity	H_c	A/m		10
Curie temperature	T_c	°C	—	≥ 250
Power loss ($f=100\text{kHz}, B=200\text{mT}$)	P_L	mw/cm^3	25°C	360
			60°C	330
			100°C	300
			120°C	350
Density	d	kg/m^3	—	4900



PC97 MATERIAL CHARACTERISTICS

Characteristics	Symbol	Unit		PC97
Initial permeability	μ_i	—		3300 ±25%
Saturation flux density	B_s 1200A/m	mT	25°C	530
			100°C	420
Remanence	B_r	mT		80
Coercivity	H_c	A/m		9
Curie temperature	T_c	°C	—	≥215
Power loss (f=100kHz, B=200mT)	P_L	mw/cm ³	25°C	290
			80°C	280
			120°C	320
			140°C	380
Density	d	kg/m ³	—	4800



High Permeability Material

Characteristics	Symbol	Unit	R5K	R7K	R10K	R12K	R15K
Initial permeability	μ_i	—	5500 $\pm 25\%$	7500 $\pm 25\%$	10000 $\pm 30\%$	12000 $\pm 30\%$	15000 $\pm 30\%$
Relative loss factor	$\tan \delta / \mu_i$	10^{-6}	< 10 (100kHz)	< 20 (100kHz)	< 10 (10kHz)	< 10 (10kHz)	< 10 (10kHz)
Saturation flux density	B_s 1200A/ m	mT	430	440	400	380	360
Remanence	B_r	mT	110	100	90	90	90
Coercivity	H_c	A/m	10	10	7	5	5
Curie temperature	T_c	$^{\circ}\text{C}$	> 140	> 130	> 120	> 110	> 100
Relative temperature coeff (20~60 $^{\circ}\text{C}$)	α_F	$10^{-6}/^{\circ}\text{C}$	0~1.5	0~2	-0.5~2	-0.5~ 1.5	-0.5~ 2.0
Resistivity	ρ	$\Omega \cdot \text{m}$	1	0.3	0.15	0.1	0.1
Density	d	kg/m^3	4850	4900	4900	5000	5000