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铁粉芯

Iron Powder Cores

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合金磁粉芯

Alloy Magnetic Powder Cores

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- 磁粉芯的特点和用途 Features and Applications
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- 磁粉芯的运输与存放 Handling and Storage Considerations

基本资料

General Information



特点 / Features		用途 / Applications	
Iron Powder Cores 铁粉芯	高的磁通密度	High Maximum Flux Density	高频抗流器 High Frequency Chokes
	低成本	Low Cost	功率转换输出抗流器 Output Chokes for Switching Power Supplies
Sendust Cores 铁硅铝磁粉芯	比铁粉芯损耗更低	Core losses Significantly lower Than iron Powder Cores	EMI噪音滤波器 Conducted EMI Noise Filters
	良好的直流偏置特性	Good DC bias chaacteristics in line noise filter	脉冲变压器 Pulse Transformers
Si-Fecores 铁硅磁粉芯	接近于零的磁致伸缩系数	Near zero magnetostriction coefficient switching regulator inductor	DC输出/输入滤波器 DC Output/Input Filters
	性价比高	High price ratio Pulse and FLY-back transformer	调光抗流器 light Dimmer Chokes
	优异的DC偏流特性	Excellent DC Characteristics	功率因数修正电感器 Power Factor Correction Inductors
	高达16000高斯的饱和磁通密度	High Bmax of 16000Gauss	连续态返驰电感器 Continuous-mode Fly-back Inductors
	良好的温度稳定性	Excellent temperature stability	
	高储能	large energy storage capacity	
	接近于零的磁致伸缩系数	Near zero magnetostriction coefficient switching regulator inductor	
	无高温老化问题	No thermal aging	
	成本低，在很多领域可以取代高磁通磁粉芯	Low cost, it can substitute Hi-Flux core in some applications	

基本资料

General Information

No.2 / 表面涂层

Surface Coating

本公司生产的环形磁芯涂有树脂涂层，各种涂层在60Hz下的最小介电质强度为500Vrms.也可以根据客户的要求提高介电质的强度，涂层可抵抗大多数清洗剂的擦洗，但过度某些溶剂会产生不良影响。E型和P型磁芯均经过防锈处理，以防止锈蚀。

The toroidal and bus bar cores listed in this catalog are coated. All finishes have a minimum dielectric strength of 500 Vrms at 60Hz and resist most cleaning solvents. Extended exposure to certain solvents may have detrimental effects. The E Cores and the P cores are treated to resist corrosion.

基本资料

General Information

No.3 / 温度特性

Temperature Characteristic

铁粉芯一般适用于-55℃—+125℃的温度范围，当磁芯处于较高的温度环境中，会使电感和品质因数（Q）永久性的降低。这是由于其在制造过程中使用了有机粘结剂，如环氧树脂等；当使用温度超过150℃时，其材料内部的树脂会恶化，使磁芯的损耗增大，降低铁粉芯的使用寿命。这种特性的偏离过程取决于时间、温度、磁芯大小、频率和磁通密度等。

Common working temperature for powder core is between -55℃ to 125℃. When the working environment temperature rises above 150℃, the organic adhesive (usually epoxy resin) will begin to decompose, resulting in the degradation of the device's performance and shortening of the device's life. The severity of the degrading depends on the time, temperature, size of the magnetic powder core, working frequency and the flux density.

基本资料

General Information

No.4 / 运输和存放

Handling Storage Considerations

我们建议使用前的仓储期间不要打开原产品包装，存放点应有防雨和防潮设施。铁粉磁芯比其他产品重，故需特别留意每箱货物的重量。切勿压叠超过5箱货物，以免压碎底层货物。由于铁粉磁芯是有一定高密度的产品，故其包装是以磁芯重量为准，任何不正确的手动或碰撞，都可能导致磁芯损坏。如果磁芯触击一个坚硬的平面，磁芯表面涂层会出现裂痕或碎裂。最后，和大多数磁性物一样，铁粉磁芯需要存放在没有金属剃齿、油、溶剂、污垢、灰尘和酸性液体的地方。

We recommend the cores remain in the original factory packaging and be sheltered from rain or high humidity since uncoated iron can eventually form surface rust. magnetic powder cores tend to be heavier than many other products and special consideration must be given to the weight of the carton. Do not stack more than 5 cartons high to avoid crushing the bottom cartons. Please be aware the cores are quite dense and package size can be deviously heavy. Damage will occur to cores if boxes are handled incorrectly or dropped. Additionally, if individual cores are dropped on a hard surface a crack or chip and result shavings, oil, solvents, dirt dust and acids.

■ 产品特性

■ 环型磁芯

■ E型磁芯

■ 管状型磁芯

■ 磁力特性

Products Characteristics

Toroidal Cores

E Cores

Plain Cores

Magnetic Characteristics

铁粉芯

Iron Powder Cores



材质性能 / Material Properties

材质编号 Material Mix Number	有效磁导率 (μ_e) Reference Permeability	磁导率温度系数 Temp.CoefOerm (+ppm/°C)	线性膨胀系数 CoefofinExpan (+ppm/°C)	颜色 Color Code
-18	55	385	11	Green/Red 绿/红
-19	55	650	11	Red/Green 红/绿
-26	75	825	12	Yellow/Whitee黄/白
-28	22	510	11	Gray/Green 灰/绿
-30	22	510	11	Green/Gray 绿/灰
-33	33	665	11	Gray/yellow 灰/黄
-34	33	565	11	Gray/Blue 灰/蓝
-35	33	665	11	Yellow/Gray 黄/灰
-38	85	955	12	Gray/Black 灰/黑
-40	60	950	11	Green/Yellow绿/黄
-52	75	650	12	Green/Blue 绿/蓝

磁芯损耗对照表 / Core Loss Comparison (mW/cm3)

Material Mix No .	60HZ 500Gs	1KHZ 1500Gs	10KHZ 500Gs	50KHZ 225Gs	100KHZ 140Gs	500KHZ 50Gs	% μ_e	$\mu_{effective}$
-18	48	72	70	63	46	37	74	40.7
-19	31	60	72	71	54	49	74	40.7
-26	32	60	75	89	83	139	51	38.3
-28	38	80	120	164	158	247	91	20.0
-30	37	80	120	149	129	129	91	20.0
-33	37	80	126	182	180	291	84	27.7
-34	29	61	87	100	82	78	84	27.7
-35	33	73	109	137	119	123	84	27.7
-38	31	57	72	99	103	217	51	43.4
-40	29	62	93	130	127	223	62	37.7
-52	30	56	68	72	58	63	59	44.3

温度特性 / TEMPERATURE EFFECTS

铁粉芯一般适用于-55℃—+125℃的温度范围，当磁芯处于较高的温度环境中，会使电感和品质因数（Q）永久性的降低，这是由于其在制造过程中使用了有机粘结剂，如环氧树脂等；当使用温度超过150℃时，其材料内部的树脂会恶化，使磁芯的损耗增大，降低铁粉芯的使用寿命，这种特性的偏离过程取决于时间、温度、磁芯大小、频率和磁通密度等。

Common working temperature for powder core is between -55℃~+125℃.when the working environment temperature rises above 150℃, the organic adhesive (usually epoxy resin) will begin to decompose, resulting in the degradation of the device's performance and shortening of the device's life. The severity of the degrading depends on the time, temperature, size of the magnetic powder core, working frequency and the flux density.

磁性偏差 / Magnetic Tolerance

Material (Mix No.)	-2	-8	-14	-18	-19	-26	-28	-30	-33	-34	-35	-38	-40	-45	-52
AL ATolerance	±5%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%	±10%

磁芯是按列出的AL值制造的，每种材料的磁导率仅作参考。在任何情况下，AL值均以在10KHz的频率下10高斯（1mT）的AC通量密度峰值为依据。环型磁芯是以均匀分隔的完全单层线组作测试的，以尽量降低漏磁的影响。以非均匀分布而少圈数的铁粉磁芯作测试会产生比预期要大的电感读数。E型磁芯以100圈作为测试标准。磁力特性曲线，均有±10%的典型宽限度，而磁芯损耗特征的曲线就有±15%的典型宽限度。

The cores are manufactured to the AL values listed; the permeability for each material is for reference only. In all cases, the AL values are based on peak AC flux density of 10 gauss (1mT) at a frequency of 10 kHz. The toroidal cores are tested with an evenly spaced full single-layer winding in order to minimize leakage effects. Iron powder cores tested with a small number of turns which are not evenly distributed will produce higher inductance readings than expected. The E Cores are tested with 100 turns. The Magnetic Characteristic curves shown have a typical tolerance of ±10%. The curves on core loss characteristics have a typical tolerance of ±15%.

材料用途 / Material Applications

Typical Application	-2	-8	-14	-18	-19	-26	-28	-30	-33	-34	-35	-38	-40	-45	-52
Light Dimmer Chokes						×						×	×	×	
60Hz Differential-mode EML line Chokes						×						×	×	×	×
Dc Chokes: <50kHz or low Et/N (Buck/Boost)							×	×	×	×	×	×	×	×	
Dc Chokes: ≥50kHz or higher Et/N (Buck/Boost)		×	×	×	×		×	×	×	×	×				×
Power Factor Correction Chokes: <50kHz						×	×	×	×	×	×		×		
Power Factor Correction Chokes: ≥50kHz	×	×	×	×	×		×	×	×	×	×				
Resonant Inductors: ≥50kHz	×		×												

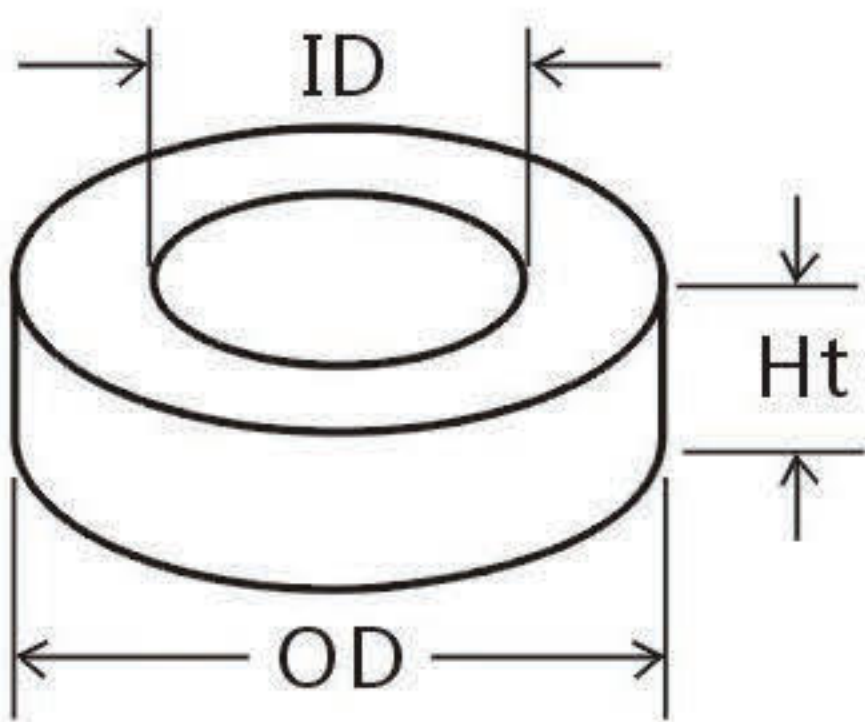
铁粉芯
Iron Powder Cores

No.3 / 环形磁芯
Toroidal Cores

TYPICAL PART NO. KT 106-52

Toroidal Cores
OD in 100th inches
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No.	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT25-18 KT25-26 KT25-40 KT25-52	17.0 24.5 20.5 23.0	6.48	3.05	2.44	1.50	.037	.055
KT26-18 KT26-26 KT26-52	41.5 57.0 56.0	6.73	2.67	4.83	1.47	.090	.133
KT27-18 KT27-26 KT27-52	18.5 27.5 25.5	7.11	3.84	3.25	1.71	.047	.080
KT30-18 KT30-26 KT30-40 KT30-52	22.0 33.5 28.0 30.5	7.80	3.84	3.25	1.84	.060	.110
KT32-52	35.0	8.31	4.29	4.01	1.96	.073	.144
KT37-18 KT37-19 KT37-26 KT37-40 KT37-52	19.0 19.0 28.5 24.5 26.0	9.53	5.21	3.25	2.31	.064	.147
KT38-18 KT38-26 KT38-40 KT38-52	36.0 49.0 41.5 49.0	9.53	4.45	4.83	2.18	.114	.248
KT40-26 KT40-52	36.0 36.0	10.2	5.21	4.14	2.41	.093	.223

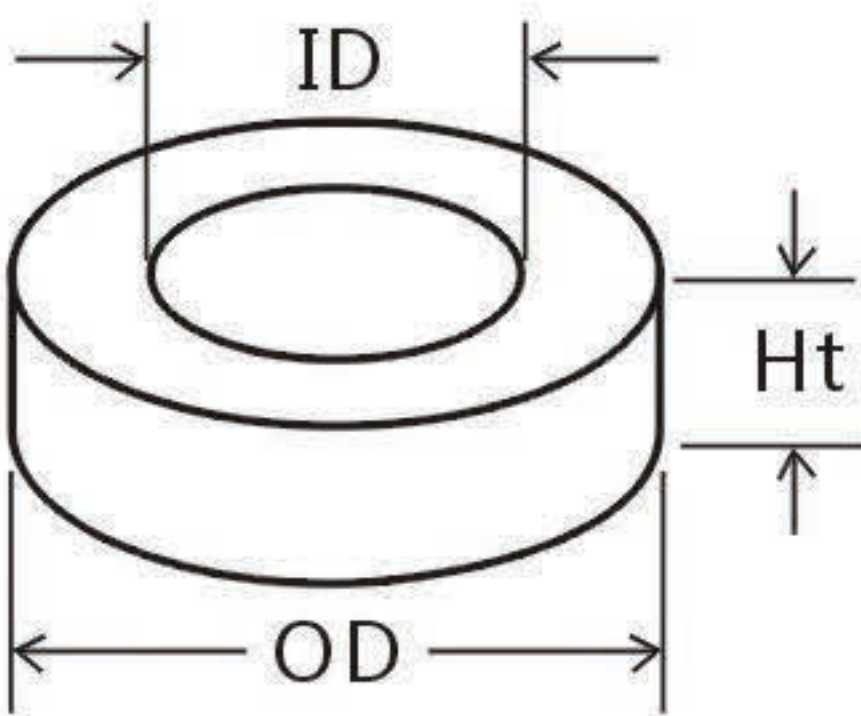
铁粉芯
Iron Powder Cores

No.4 / 环形磁芯
Toroidal Cores

TYPICAL PART NO. KT 106-52

Toroidal Cores
OD in 100th inches
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No .	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT44-18 KT44-26 KT44-40 KT44-52	25.5 37.0 31.0 35.0	11.2	5.28	4.04	2.68	.099	.266
KT44- 52C KT44-52D	55.0 70.0	11.2 11.2	5.82 5.82	6.35 8.59	2.68 2.68	.157 .212	.419 .567
KT50-18 KT50-26 KT50-38 KT50-40 KT50-52	24.0 33.0 37.5 29.5 33.0	12.7	7.70	4.83	3.19	.112	.358
KT50-18B KT50-26B KT50-38B KT50-40B KT50-52B	32.0 43.5 49.5 38.5 43.5	12.7	7.70	6.35	3.19	.148	.471
KT50-26C	61.0	12.7	7.70	8.51	3.19	.200	.637
KT50-26D KT50-40D KT50-52D	72.0 59.0 66.0	12.7	7.70	9.53	3.19	.223	.711
KT51-18C KT51-26C KT51-40C KT51-52C	55.0 83.0 67.0 75.0	12.7	5.08	6.35	2.79	.223	.622
KT57-52	49.5	14.6	6.93	4.98	3.38	.178	.601
KT57-52A	66.0	14.6	6.93	6.68	3.38	.239	.805

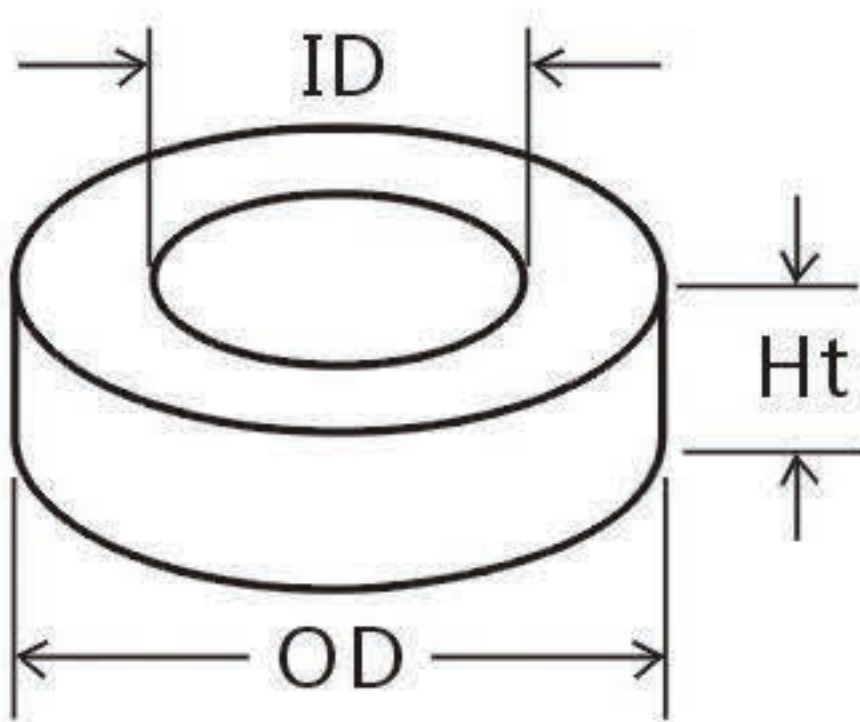
铁粉芯
Iron Powder Cores

No.5 / 环形磁芯
Toroidal Cores

TYPICAL PART NO . T 106-52

Toroidal Cores
OD in 100th inches
Material Mix No .

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No .	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT60-18 KT60-26 KT60-40 KT60-52	34.5 50.0 41.5 47.0	15.2	8.53	5.94	3.74	.178	.699
KT60-26D KT60-52D	97.0 94.0	15.2	8.53	11.9	3.74	.374	1.400
KT68-18 KT68-26 KT68-38 KT68-40 KT68-52	29.0 43.5 45.0 35.0 40.0	15.2	9.40	4.83	4.23	.179	.759
KT68-18A KT68-26A KT68-38A KT68-40A KT68-52A	39.5 58.0 61.0 47.0 54.0	17.5	9.40	6.35	4.23	.242	1.03
KT68-26D KT68-40D KT68-52D	87.0 70.0 80.0	17.5	9.40	9.53	4.23	.358	1.52
KT72-18 KT72-26 KT72-40 KT72-52	60.0 90.0 71.0 82.0	18.3	7.11	6.60	4.01	.349	1.40
KT80-18 KT80-26 KT80-38 KT80-40 KT80-52	31.0 46.0 48.0 39.5 42.0	20.2	12.6	6.35	5.14	.231	1.19

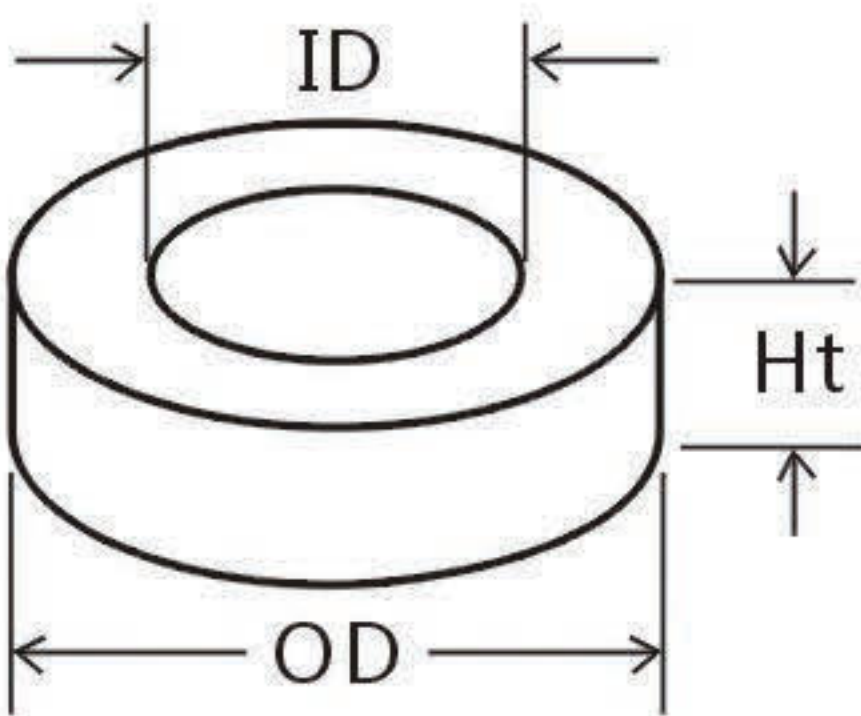
铁粉芯
Iron Powder Cores

No.6 / 环形磁芯
Toroidal Cores

TYPICAL PART NO. KT 106-52

Toroidal Cores
OD in 100th inches
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No .	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT80-18B KT80-26B KT80-38B KT80-40B KT80-52B	46.5 71.0 72.0 59.0 63.0	20.2	12.6	9.53	5.14	.347	1.78
KT80-26D KT80-40D KT80-52D	92.0 79.0 83.0	20.2	12.6	12.7	5.14	.453	2.33
KT90-18 KT90-26 KT90-38 KT90-40 KT90-52	47.0 70.0 73.0 57.0 64.0	22.9	14.0	9.53	5.78	.395	2.28
KT94-18 KT94-26 KT94-38 KT94-40 KT94-52	42.0 60.0 65.0 49.0 57.0	23.9	14.2	7.92	5.97	.362	2.16
KT106-18 KT106-26 KT106-28 KT106-30 KT106-33 KT106-34 KT106-35 KT106-38 KT106-40 KT106-52	70.0 93.0 30.0 30.0 40.0 40.0 40.0 108.0 81.0 95.0	26.9	14.5	11.1	6.49	.659	4.28

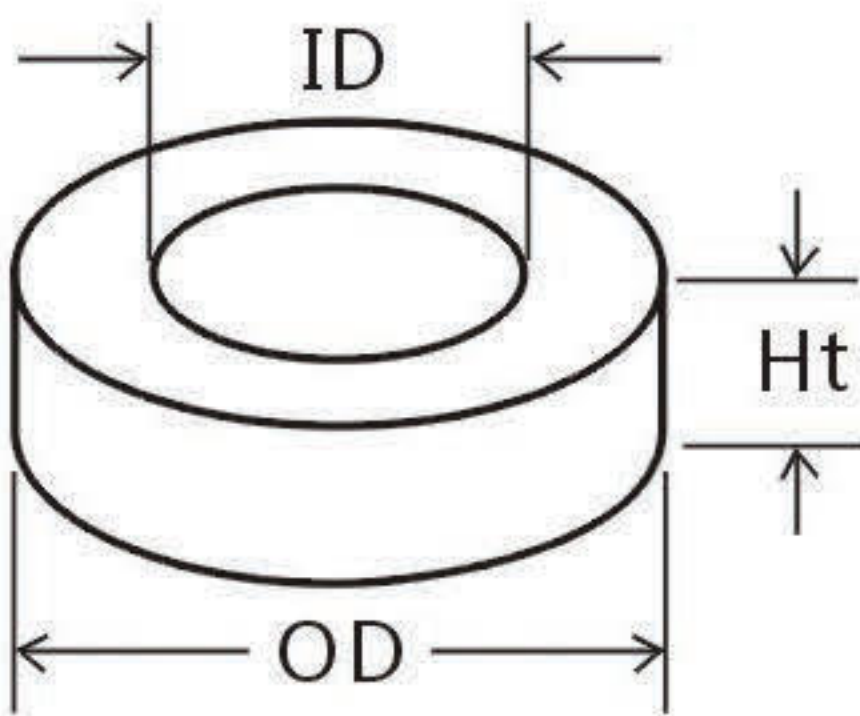
铁粉芯
Iron Powder Cores

No.7 / 环形磁芯
Toroidal Cores

TYPICAL PART NO. KT 106-52

Toroidal Cores
OD in 100th inches
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No.	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT106-18A KT106-26A KT106-40A KT106-52A	49.0 67.0 58.0 67.0	26.9	14.5	7.92	6.49	.461	3.00
KT106-18B KT106-26B KT106-40B KT106-52B	91.0 124.0 106.0 124.0	26.9	14.5	14.6	6.49	.858	5.57
KT130-18 KT130-26 KT130-28 KT130-30 KT130-33 KT130-34 KT130-35 KT130-38 KT130-40 KT130-52	58.0 81.0 25.0 25.0 33.5 33.5 33.5 90.0 69.0 79.0	33.0	19.8	11.1	8.28	.698	5.78
KT130-26A KT130-40A	41.0 34.0	33.0	19.8	5.72	8.28	.361	2.99
KT131-18 KT131-26 KT131-33 KT131-34 KT131-35 KT131-40 KT131-52	79.0 116.0 46.5 46.5 46.5 93.0 108.0	33.0	16.3	11.1	7.72	.885	6.84
KT132-26 KT132-40 KT132-52	103.0 83.0 95.0	33.0	17.8	11.1	7.96	.805	6.41

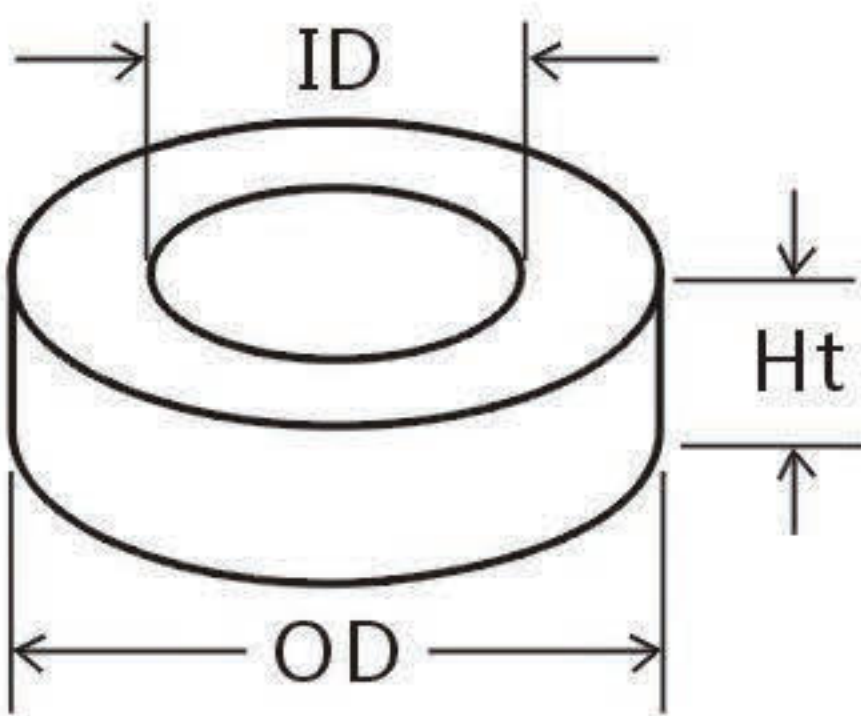
铁粉芯
Iron Powder Cores

No.8 / 环形磁芯
Toroidal Cores

TYPICAL PART NO. KT 106-52

Toroidal Cores
OD in 100th inches
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No .	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT141-26	75.0	35.9	22.4	10.5	9.14	.674	6.16
KT141-40	60.0						
KT141-52	69.0						
KT150-18	65.0	38.4	21.5	11.1	9.38	.887	8.31
KT150-26	96.0						
KT150-40	78.0						
KT150-52	89.0						
KT150-26A	66.0	38.4	21.5	8.26	9.38	.657	6.16
KT150-38A	74.5						
KT157-18	73.0	39.9	24.1	14.5	10.1	1.06	10.7
KT157-26	100.0						
KT157-28	31.5						
KT157-30	31.5						
KT157-33	43.5						
KT157-34	43.5						
KT157-35	43.5						
KT157-38	112.0						
KT157-40	86.0						
KT157-52	99.0						
KT175-18	82.0	44.5	27.2	16.5	11.2	1.34	15.0
KT175-26	105.0						
KT175-40	90.0						
KT175-52	105.0						
KT184-18	116.0	46.7	24.1	18.0	11.2	1.88	21.0
KT184-26	169.0						
KT184-28	51.0						
KT184-30	51.0						
KT184-33	70.0						
KT184-34	70.0						

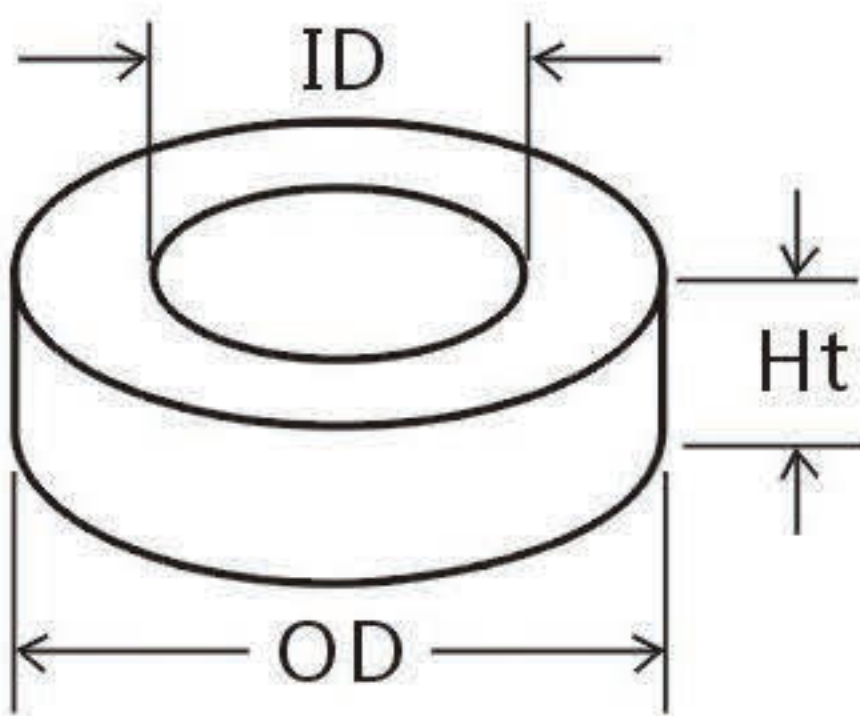
铁粉芯
Iron Powder Cores

No.9 / 环形磁芯
Toroidal Cores

TYPICAL PART NO. KT 106-52

Toroidal Cores
OD in 100th inches
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No.	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT184-35	70.0	46.7	24.1	18.0	11.2	1.88	21.0
KT184-40	143.0						
KT184-52	159.0						
KT200-18	67.0	50.8	31.8	14.0	13.0	1.27	16.4
KT200-26	92.0						
KT200-33	37.0						
KT200-34	37.0						
KT200-35	37.0						
KT200-40	79.0						
KT200-52	92.0						
KT200-18B	120.0	50.8	31.8	25.4	13.0	2.32	30.00
KT200-26B	160.0						
KT200-30B	51.0						
KT200-35B	74.0						
KT200-40B	142.0						
KT200-52B	155.0						
KT201-18	164.0	50.8	24.1	22.2	11.8	2.81	33.2
KT201-26	224.0						
KT201-40	194.0						
KT201-52	224.0						
KT224-26C	155.0	57.2	31.8	19.1	14.0	2.31	32.2
KT224-52C	155.0						
KT225-18	67.0	57.2	35.7	14.0	14.6	1.42	20.7
KT225-26	98.0						
KT225-30	28.0						
KT225-33	37.0						
KT225-34	37.0						
KT225-35	37.0						

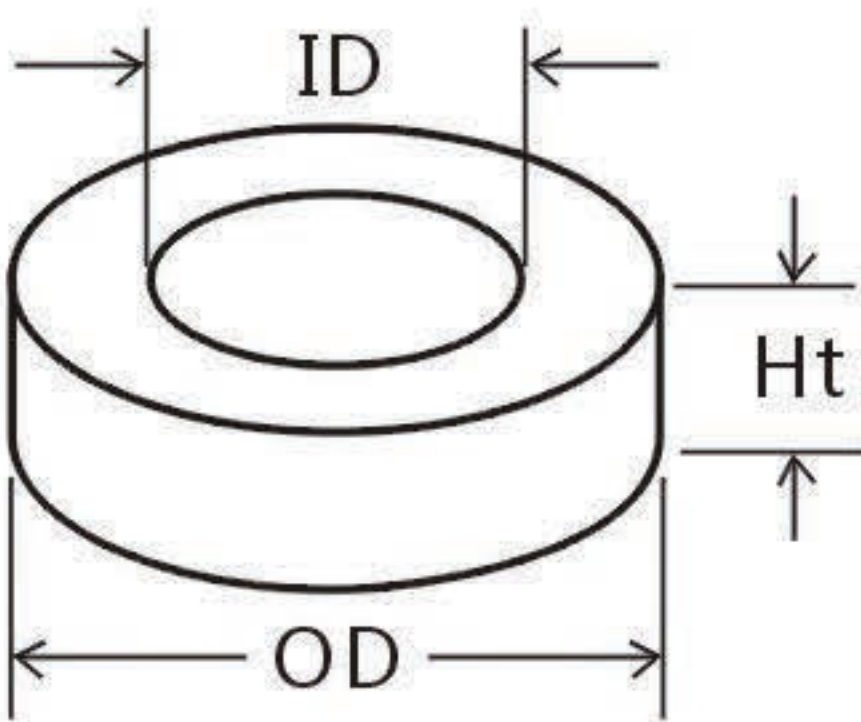
铁粉芯
Iron Powder Cores

No.10 / 环形磁芯
Toroidal Cores

TYPICAL PART NO. KT 106-52

Toroidal Cores
OD in 100th inches
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No .	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT225-40 KT225-52	78.0 92.0	57.2	35.7	14.0	14.6	1.42	20.7
KT225-26B KT225-34B KT225-52B	160.0 67.0 155.0	57.2	35.7	25.4	14.6	2.59	37.8
KT249-26 KT249-34 KT249-52	203.0 89.0 203.0	63.5	35.7	25.4	15.6	3.36	52.3
KT250-18 KT250-26 KT250-30 KT250-34 KT250-40 KT250-52	177.0 242.0 71.0 106.0 194.0 242.0	63.5	31.8	25.4	15.0	3.84	57.4
KT260-18 KT260-26 KT260-30 KT260-33 KT260-34 KT260-35 KT260-40 KT260-52	128.0 175.0 51.0 76.5 76.5 76.5 140.0 175.0	67.9	40.7	25.4	17.1	3.45	59.0
KT300-18 KT300-26 KT300-30 KT300-33 KT300-34 KT300-35 KT300-40 KT300-52	58.0 80.0 23.0 34.5 34.5 34.5 71.0 80.0	77.2	49.0	12.7	19.8	1.68	33.4

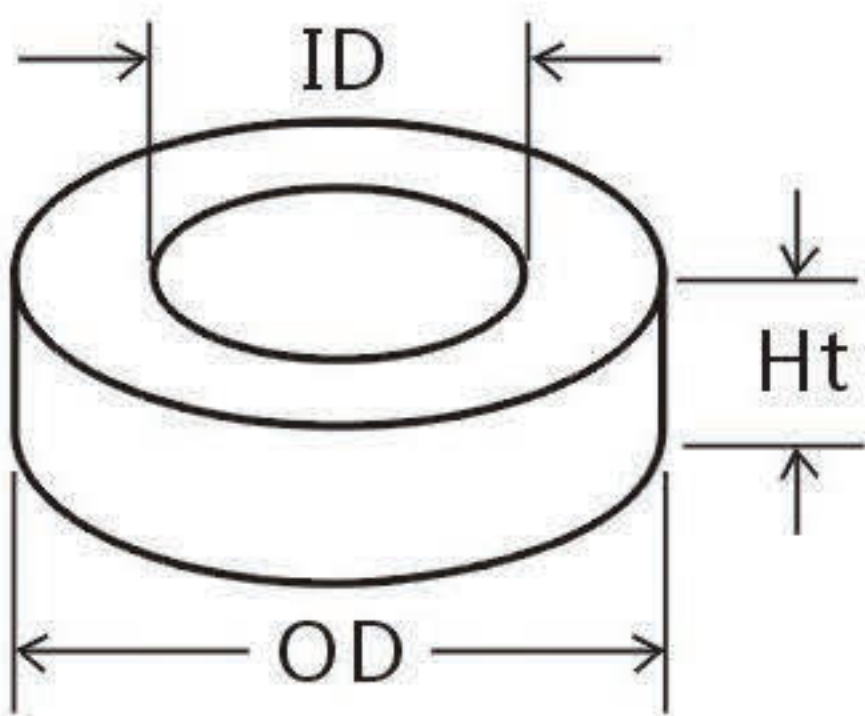
铁粉芯
Iron Powder Cores

No.11 / 环形磁芯
Toroidal Cores

TYPICAL PART NO . T 106-52

Toroidal Cores
OD in 100th inches
Material Mix No .

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)



Part No .	A_L nH/N ²	OD mm	ID mm	HT mm	ℓ_e cm	A_e cm ²	V cm ³
KT300-18D	116.0	77.2	49.0	25.4	19.8	3.38	67.0
KT300-26D	160.0						
KT300-30D	46.0						
KT300-33D	69.0						
KT300-34D	69.0						
KT300-35D	69.0						
KT300-40D	142.0						
KT300-52D	160.0						
KT350-18	125.0	89.0	54.4	25.4	22.5	4.39	98.0
KT350-26	171.0						
KT350-30	50.0						
KT350-33	75.0						
KT350-34	75.0						
KT350-35	75.0						
KT350-40	137.0						
KT350-52	171.0						
KT400-18	96.0	102	57.2	16.5	25.0	3.46	86.4
KT400-26	131.0						
KT400-30	40.5						
KT400-33	55.0						
KT400-34	55.0						
KT400-35	55.0						
KT400-40	115.0						
KT400-52	131.0						
KT400-26B	205.0	102	57.2	25.4	25.0	5.35	133
KT400-26D	262.0	102	57.2	33.0	25.0	6.85	171
KT400-30D	81.0						
KT400-33D	110.0						
KT400-34D	110.0						
KT400-35D	110.0						
KT400-40D	230.0						

铁粉芯
Iron Powder Cores

No.12 / E型磁芯
E Cores

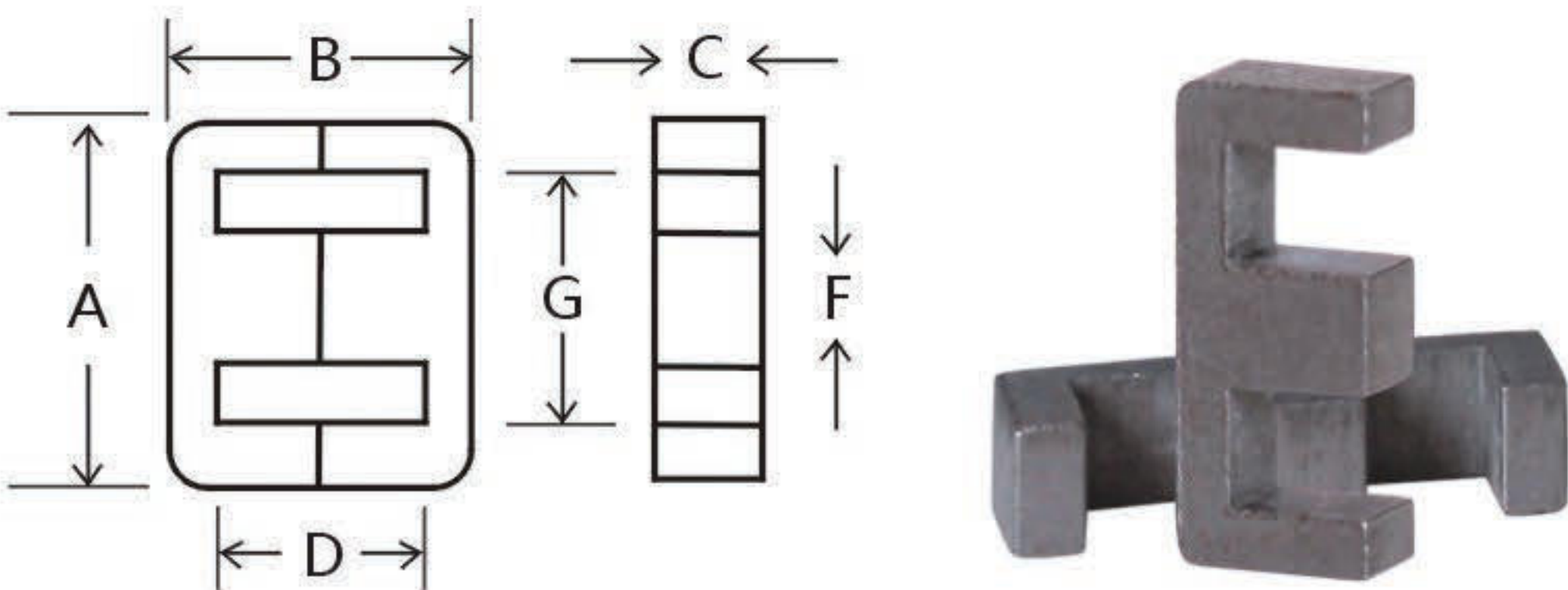
TYPICAL PART NO. KE 19 - 26

E Cores

A Size

Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
Ae : 横截面积 (Cross Section Area)
V : 磁芯体积 (Core Volume)
W : 窗口面积 (Window Area)



Part N o.	Mirometals Part N o.	A_L nH/N ²	A mm	B mm	C mm	D mm	F mm	G mm	ℓ_e cm	A_e cm ²	V cm ³	W cm ³
KE13-18	E49-18	29.0	12.7	11.1	3.18	7.93	3.18	9.53	2.86	.101	.288	.252
KE13-26	E49-26	38.0										
KE13-52	E49-52	38.0										
KE16-26	E65-26	58.0	16.4	16.3	4.62	12.0	4.62	11.3	3.98	.224	.861	.399
KE16-40	E65-40	51.0										
KE16-52	E65-52	56.0										
KE19-26	E75-26	64.0	19.1	16.1	4.75	11.6	4.75	14.3	4.20	.226	.936	.551
KE19-40	E75-40	55.0										
KE19-52	E75-52	59.0										
KE20-26	E79-26	49.0	20.1	22.5	3.56	16.1	6.35	13.9	5.24	.225	1.18	.650
KE20-26A	E80-26	73.0										
KE20-52A	E80-52	73.0										
KE25-26	E99-26	96.0	25.4	25.4	7.29	17.5	7.92	17.7	6.08	.548	3.38	.908
KE25-52	E99-52	96.0										
KE25-18A	E100-18	65.0	25.4	19.1	6.35	12.7	6.35	19.1	5.08	.403	2.05	.806
KE25-26A	E100-26	92.0										
KE25-40A	E100-40	71.0										
KT25-52A	E100-52	85.0										
KE30-26	E118-26	90.0	30.1	30.1	7.06	19.9	7.06	19.9	7.14	.498	4.60	1.27
KE30-40	E118-40	80.0										
KE30-52	E118-52	90.0										
KE32-26	E125-26	134.0	31.8	30.8	9.60	21.2	9.60	22.5	7.45	.922	6.82	1.37
KE32-33	E125-33	63.5										
KE32-40	E125-40	113.0										
KE35-18	E137-18	100.0	34.9	29.1	9.53	19.6	9.53	25.4	7.40	.907	6.72	1.55
KE35-26	E137-26	134.0										

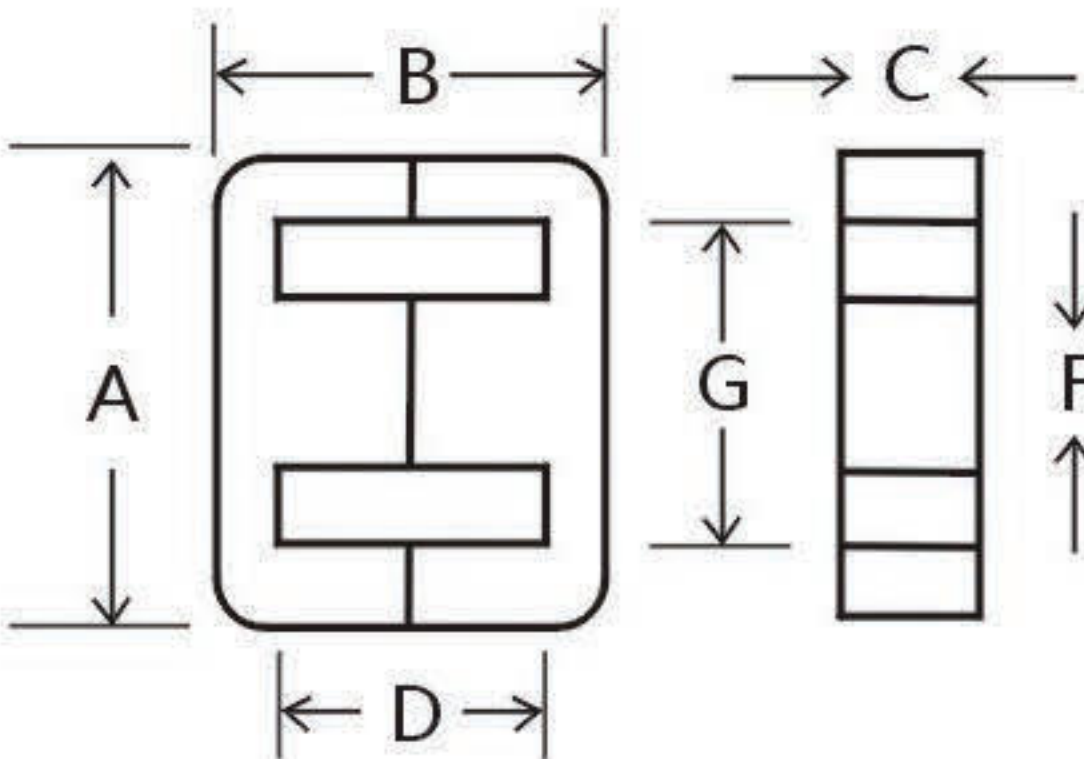
铁粉芯
Iron Powder Cores

No.13 / E型磁芯
E Cores

TYPICAL PART NO. KE 19 - 26

E Cores
A Size
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
Ae : 横截面积 (Cross Section Area)
V : 磁芯体积 (Core Volume)
W : 窗口面积 (Window Area)



Part No.	Mirometals Part No.	A_L nH/N ²	A mm	B mm	C mm	D mm	F mm	G mm	ℓ_e cm	A _e cm ²	V cm ³	W cm ³
KE35-40	E137-40	113.0	34.9	29.1	9.53	19.6	9.53	25.4	7.40	.907	6.72	1.55
KE35-52	E137-52	131.0										
KE37-18	E145-18	112.0	37.0	34.8	10.8	24.1	10.8	26.3	8.5	1.17	9.89	1.84
KE37-26	E145-26	146.0										
KE37-52	E145-52	146.0										
KE41-18	E162-18	149.0	41.3	34.1	12.7	21.4	12.7	28.6	8.41	1.61	13.6	1.70
KE41-26	E162-26	210.0										
KE41-40	E162-40	175.0										
KE41-52	E162-52	199.0										
KE43-18	E168-18	135.0	42.8	42.2	15.0	30.7	12.0	30.7	10.4	1.81	18.5	2.87
KE43-26	E168-26	195.0										
KE43-40	E168-40	163.0										
KE43-52	E168-52	179.0										
KE43-18A	E168-18A	170.0	42.8	42.2	20.0	30.7	12.0	30.7	10.4	2.41	24.6	2.87
KE43-26A	E168-26A	232.0										
KE43-40A	E168-40A	196.0										
KE43-52A	E168-52A	230.0										
KE47-18	E187-18	213.0	47.4	39.4	15.7	24.2	15.7	31.8	9.53	2.48	23.3	1.93
KE47-26	E187-26	265.0										
KE47-40	E187-40	240.0										
KE47-52	E187-52	265.0										
KE56-18	E220-48	196.0	56.1	55.4	20.8	38.3	17.3	38.6	13.2	3.60	47.7	4.09
KE56-26	E220-26	275.0										
KE56-34	E220-34	136.0										
KE56-40	E220-40	240.0										
KE56-52	E220-52	262.0										
KE57-18	E225-18	240.0	56.9	47.6	18.9	29.0	18.9	38.1	11.5	3.58	40.8	2.78
KE57-26	E225-26	325.0										

Iron Powder Cores

No.14 / E型磁芯 E Cores

TYPICAL PART NO. KE 19 - 26

E Cores

A Size

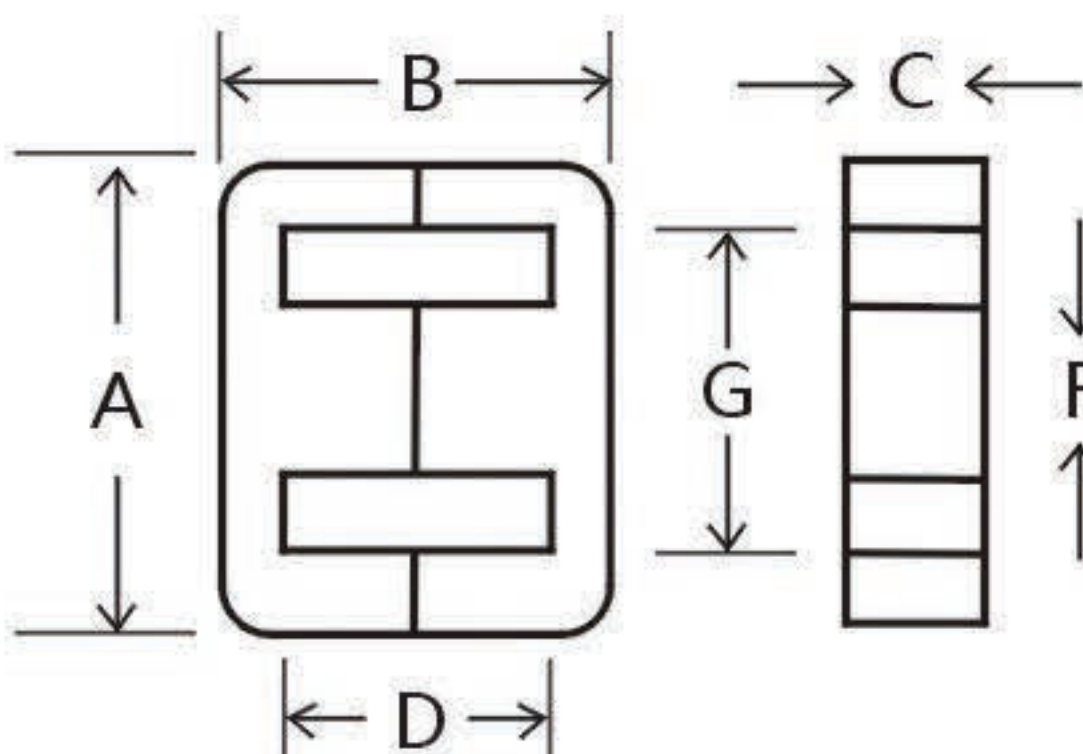
Material Mix No.

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)

Ae: 横截面积 (Cross Section Area)

V : 磁芯体积 (Core Volume)

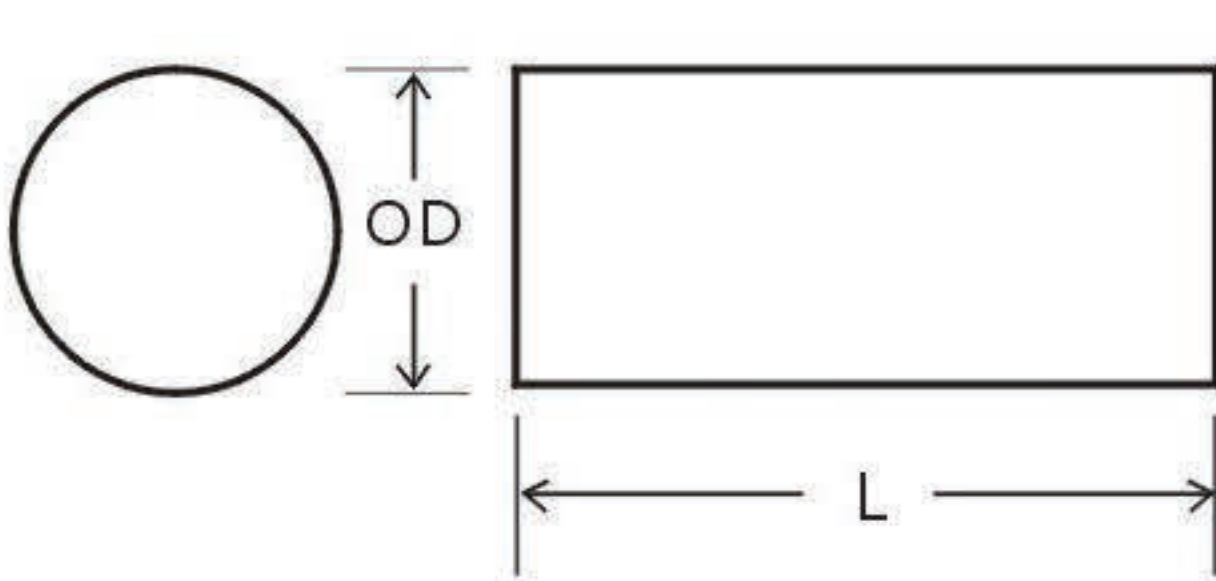
W : 窗口面积 (Window Area)

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铁粉芯
Iron Powder Cores

No.15 / 管状磁芯
Plain Cores

TYPICAL PART NO . KP 6.35×19.1
Plain Cores
OD (mm)
L (mm)

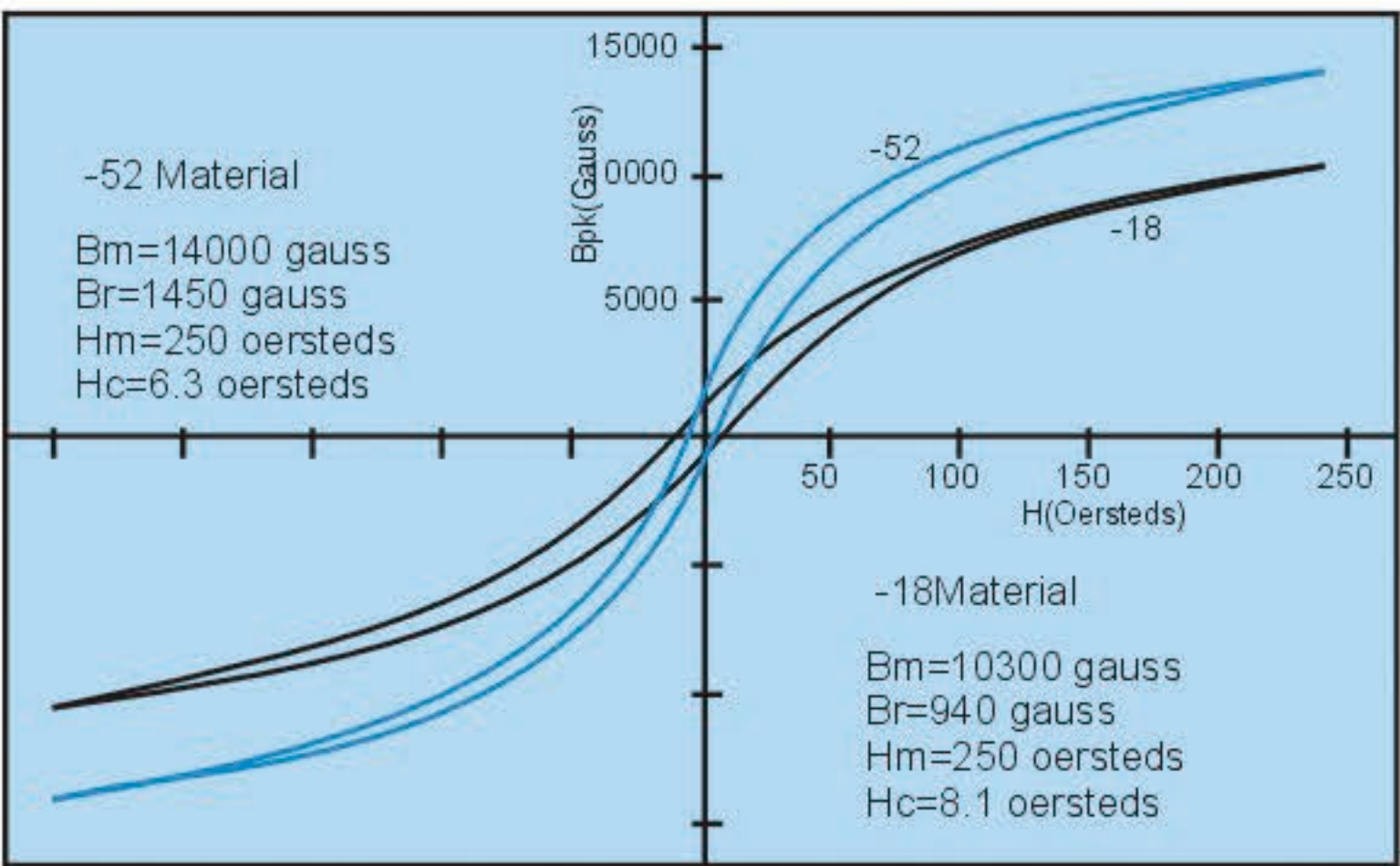
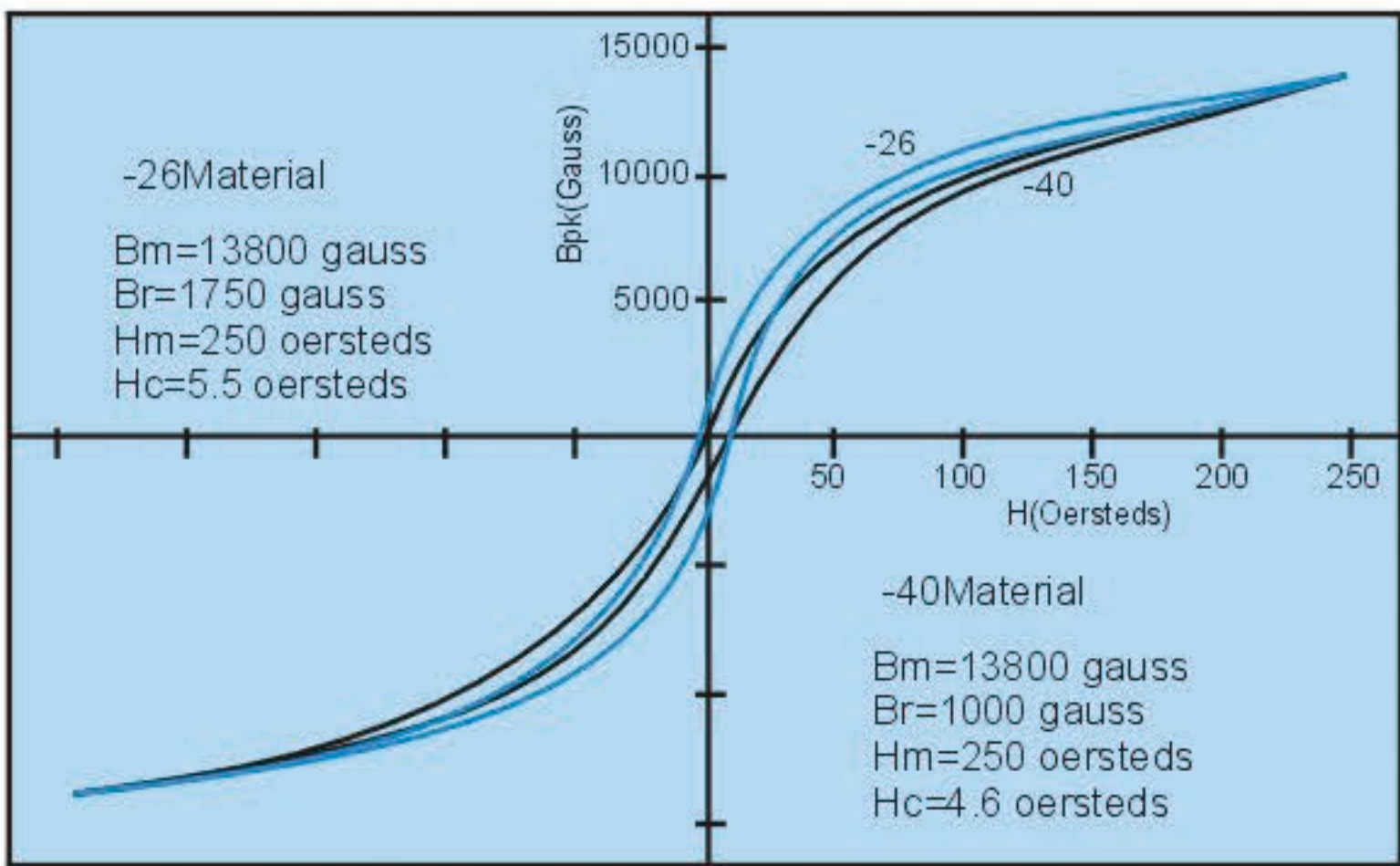
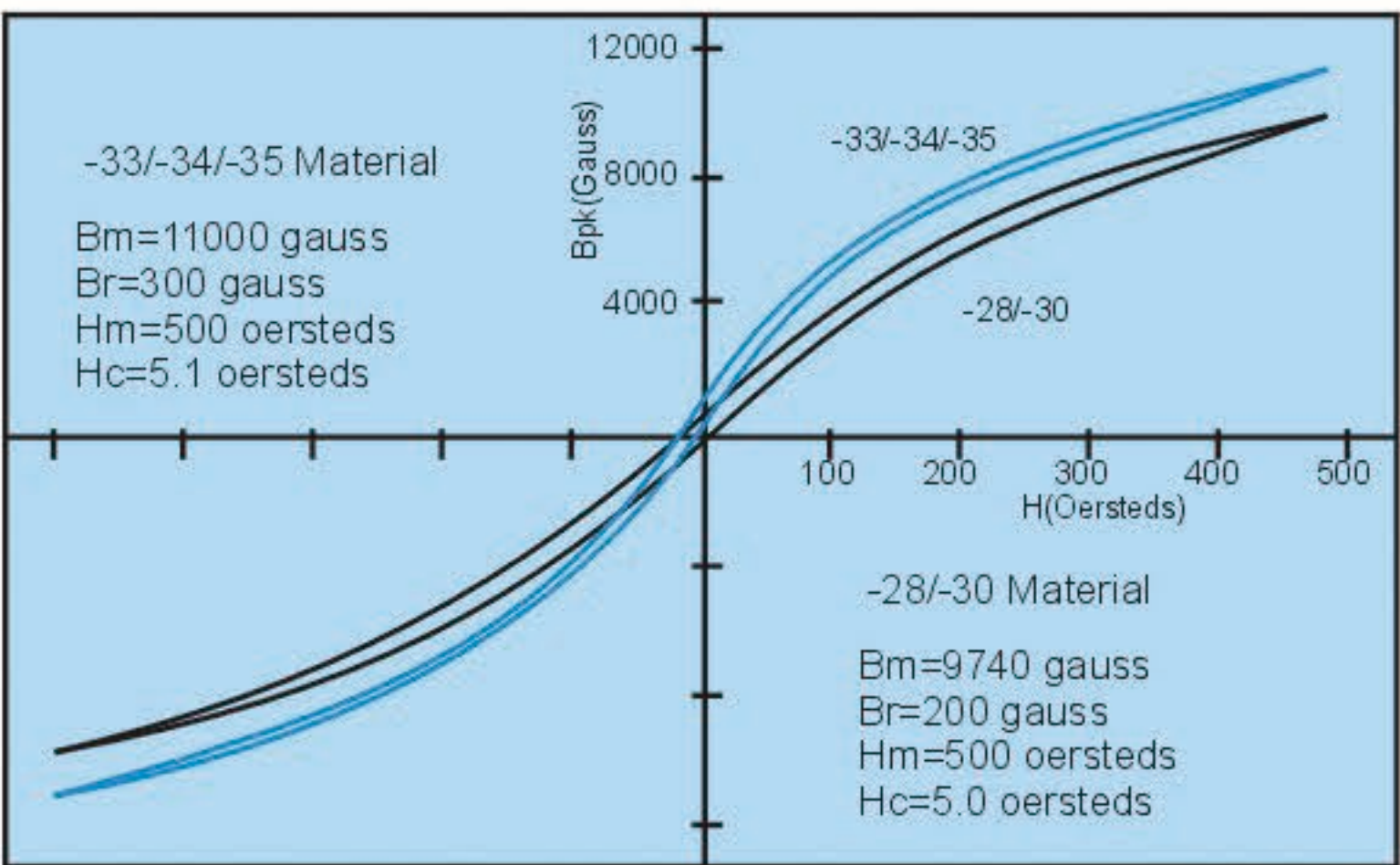
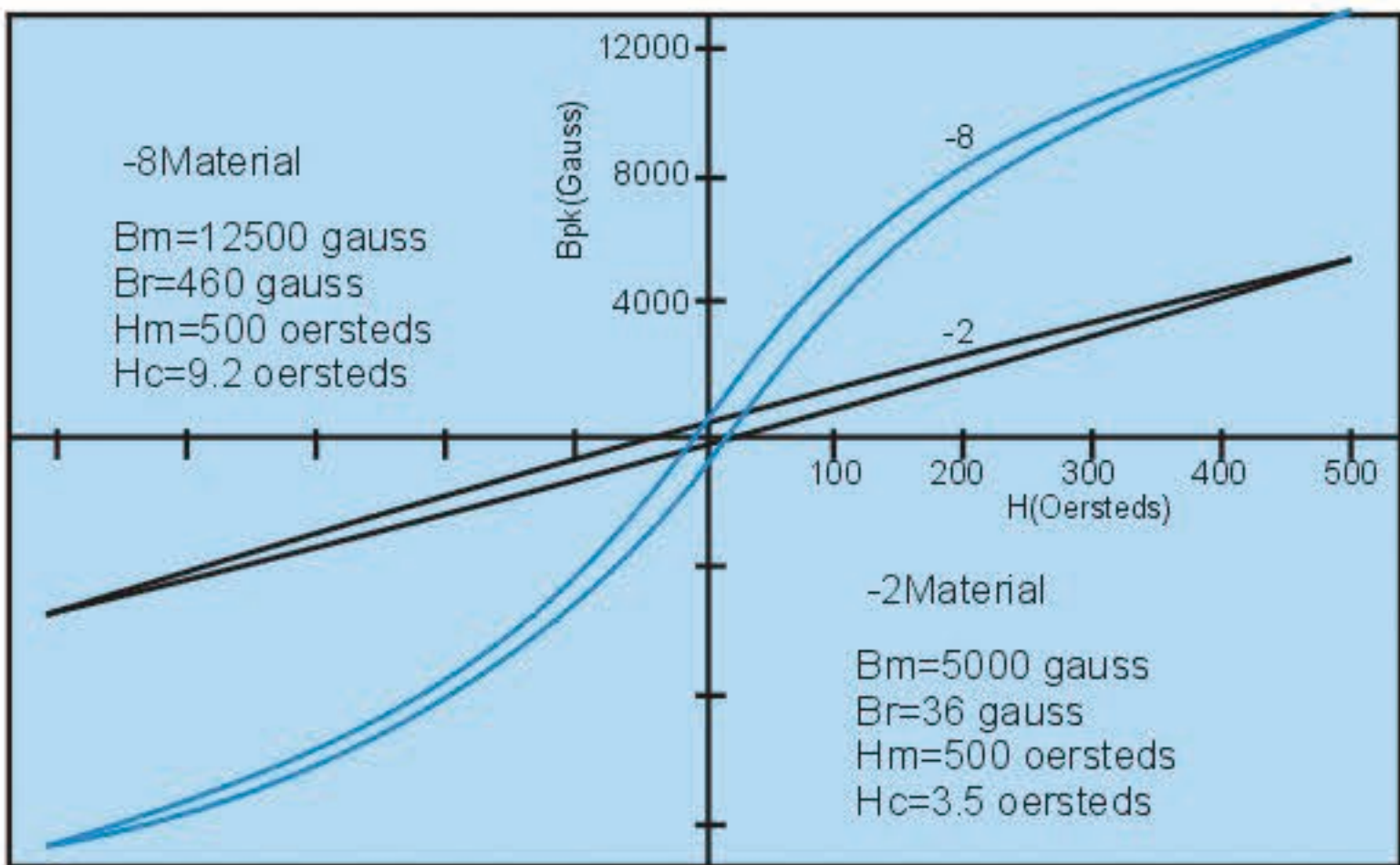


Part No .	A _L nH/N ²	OD mm	L mm
KP3.45× 19.7 KP4.83×19.1	7 . 6 12.5	3.45 4.83	19.7 19.1
KP6.35× 19.1 KP6.35×25.4 KP6.48×31.8 KP6.48×38.1	16.0 16.0 15.0 14.5	6.35 6.35 6.48 6.48	19.1 25.4 31.8 38.1
KP7.95×25.4 KP7.95×31.8 KP7.95×47.6	20.0 20.0 18.0	7.95 7.95 7.95	25.4 31.8 47.6
KP9.53×25.4 KP9.53×31.8 KP9.53×38.1 KP9.53×44.5	25.5 26.5 25.0 22.5	9.53 9.53 9.53 9.53	25.4 31.8 38.1 44.5
KP12.7×25.4 KP12.7×31.8 KP12.7×38.1 KP12.7×44.5 KP12.7×50.8	30.0 34.5 33.0 32.0 31.0	12.7 12.7 12.7 12.7 12.7	25.4 31.8 38.1 44.5 50.8
KP15.9× 31.8 KP15.9×38.1	37.5 41.5	15.9 15.9	31.8 38.1
KP19.1× 38.1 KP19.1×60.3 KP25.4×50.8	45.0 49.5 80.0	19.1 19.1 25.4	38.1 60.3 50.8

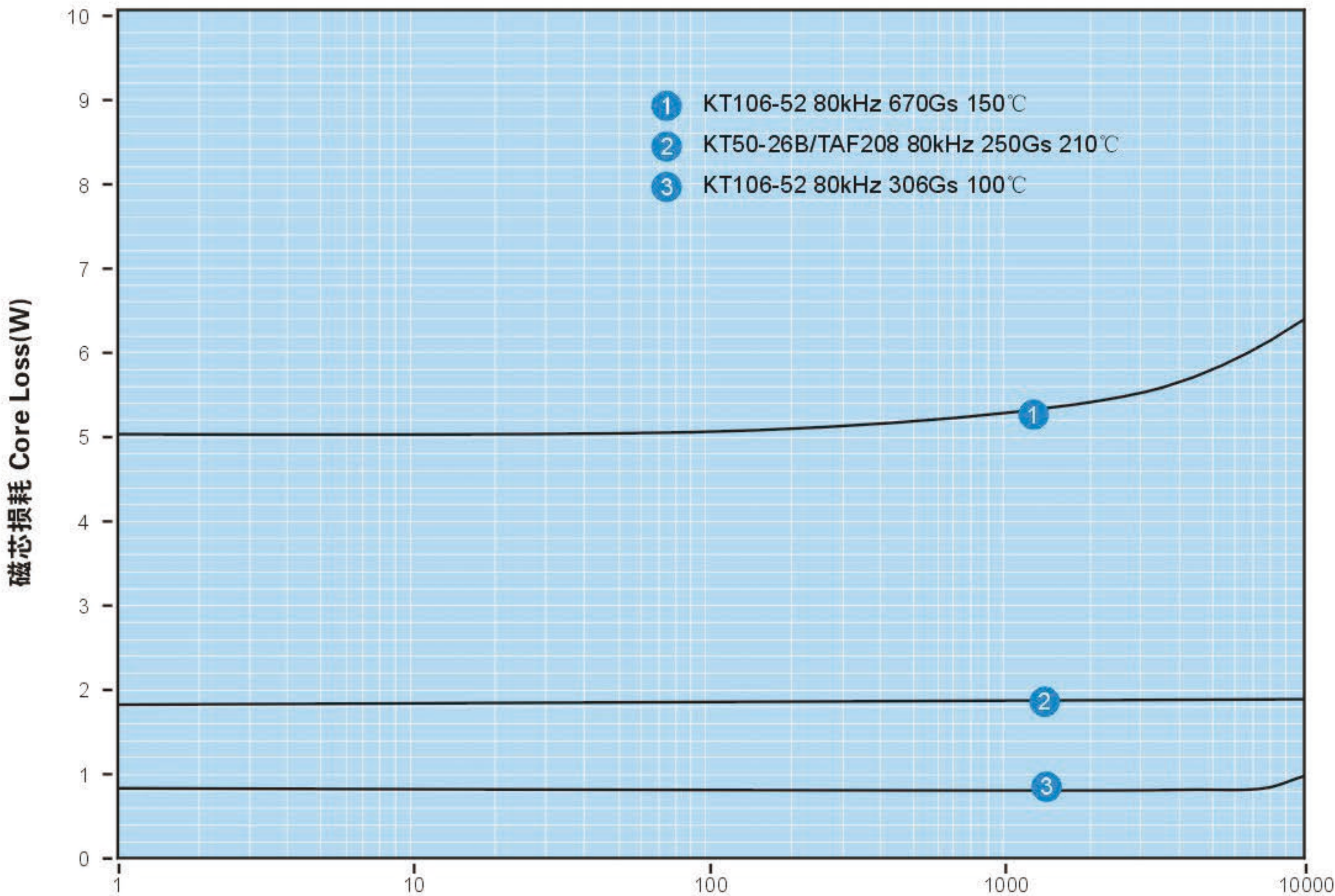
铁粉芯
Iron Powder Cores

No.16 / 磁力特性
Magnetic Characteristics

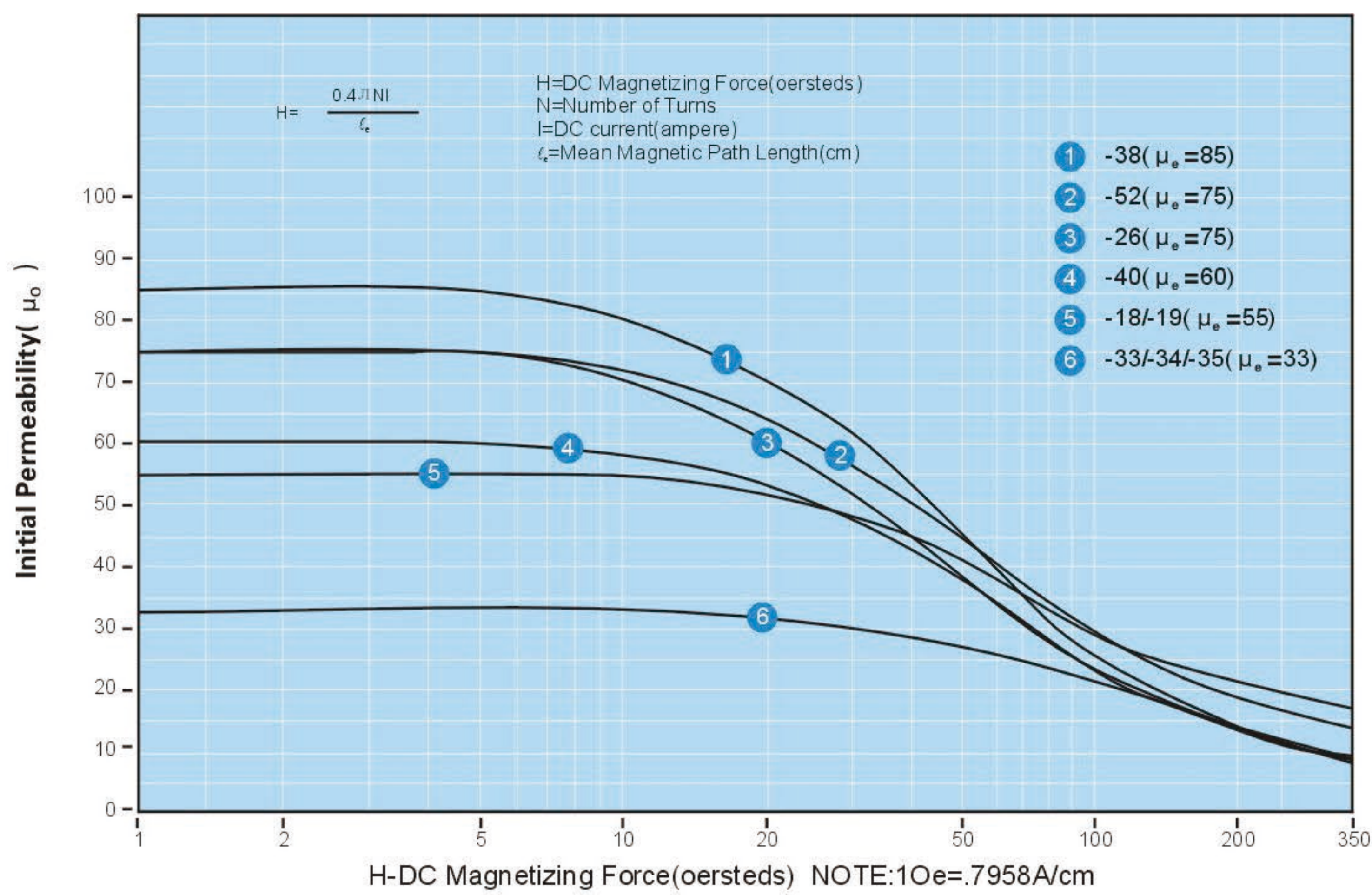
B-H曲线图 / B-H Curves



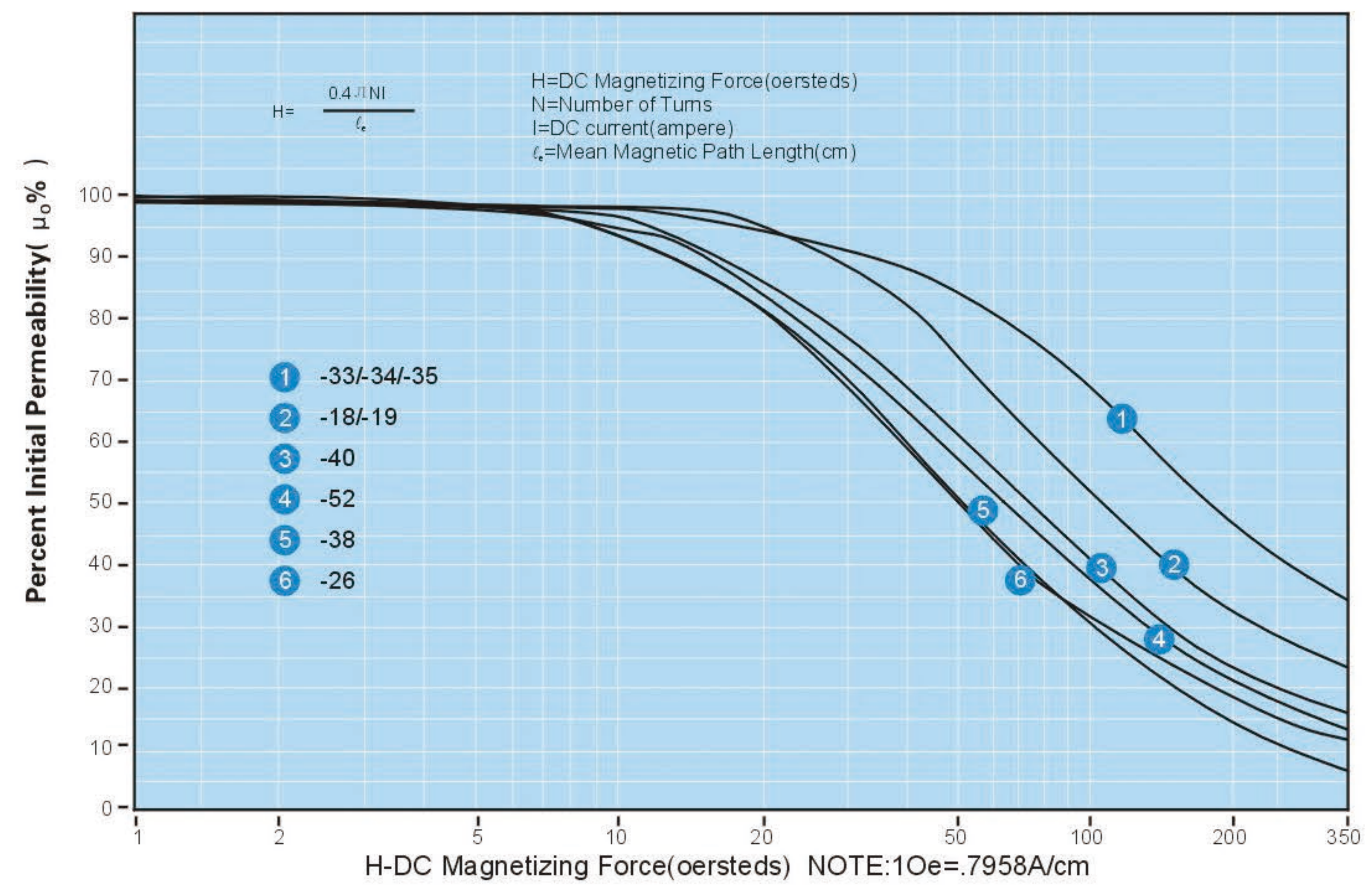
磁芯损耗与时间关系曲线 / Core Loss vs Time



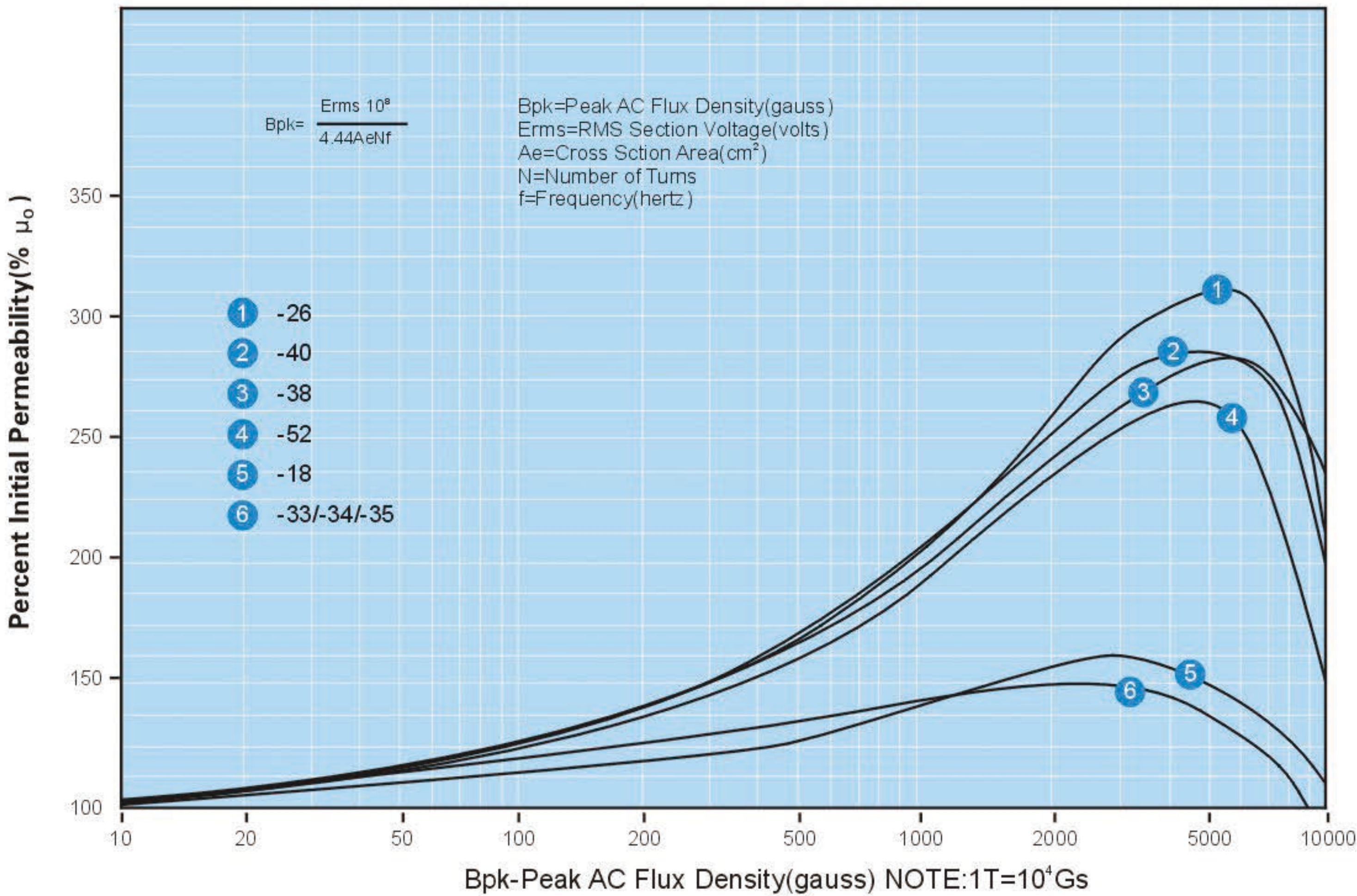
磁导率初值与DC磁化力关系曲线
/ Initial Permeability(μ_o) vs DC Magnetizing Force



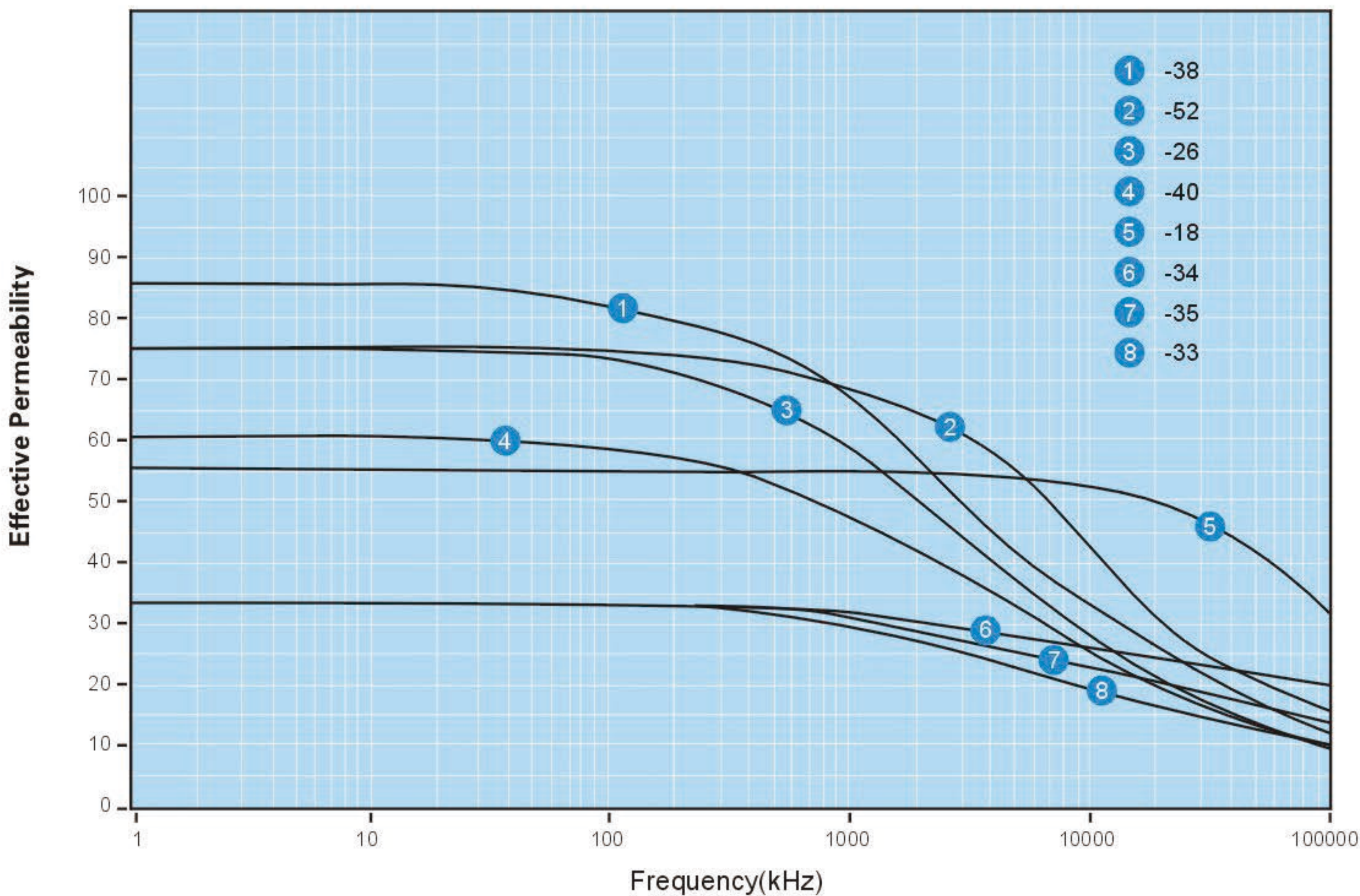
磁导率初值百分率与DC磁化力关系曲线
/ Percent Initial Permeability($\mu_o\%$) vs DC Magnetizing Force



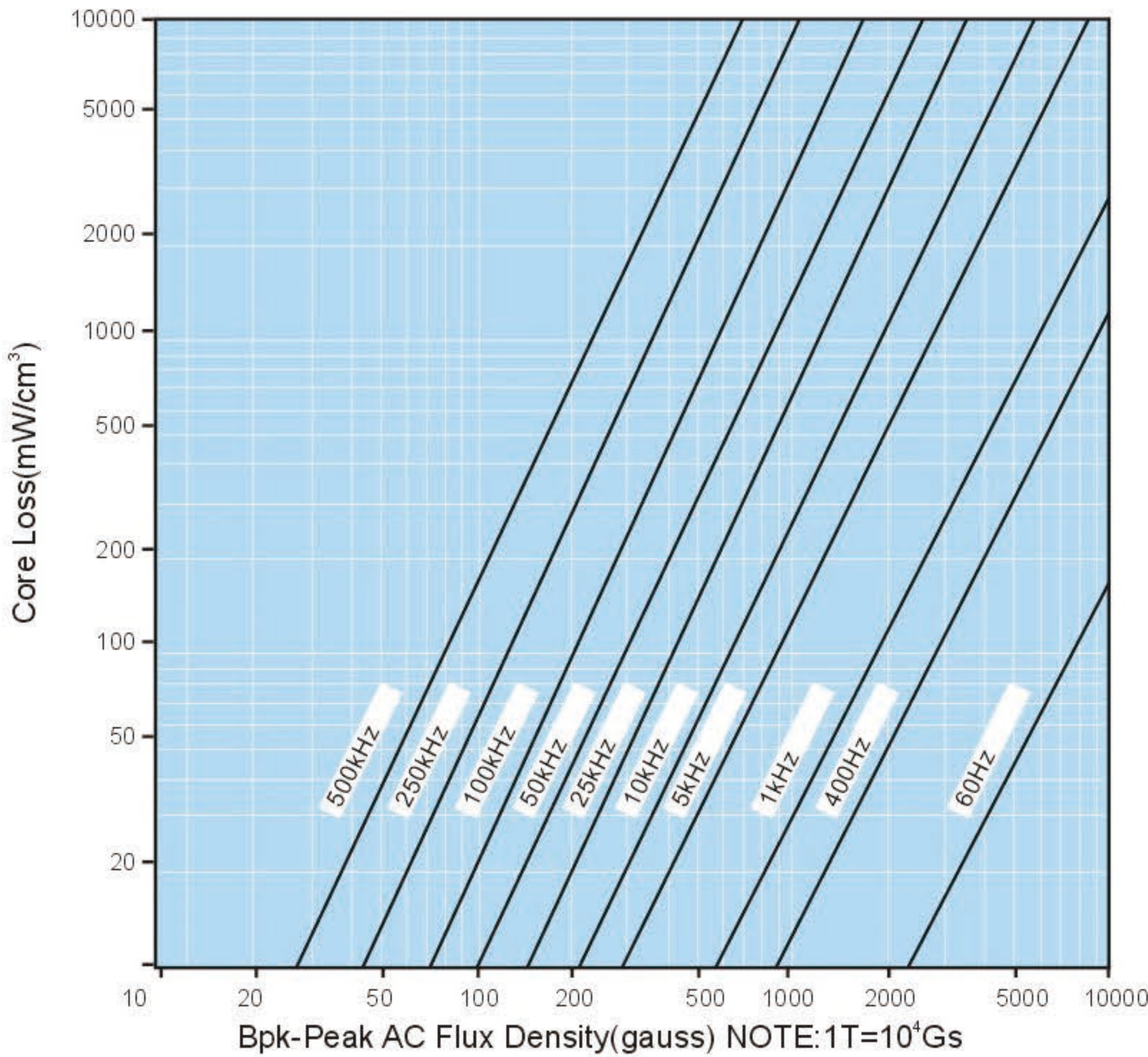
磁导率初值百分率与AC通量密度峰值关系曲线
/ Percent Initial Permeability(% μ_0 vs Peak AC Flux Density



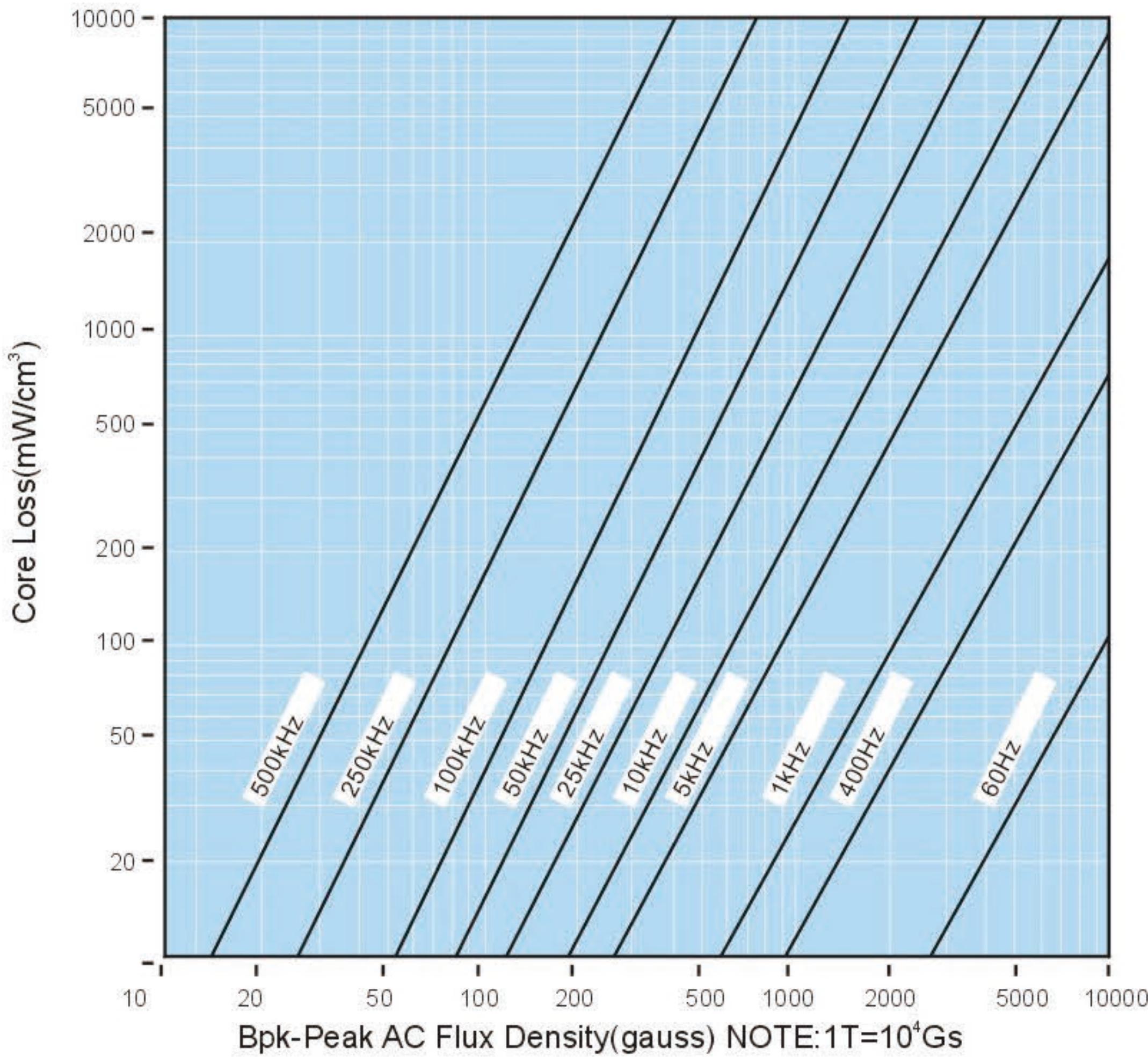
有效磁导率与频率关系曲线
/ Effective Permeability vs Frequency



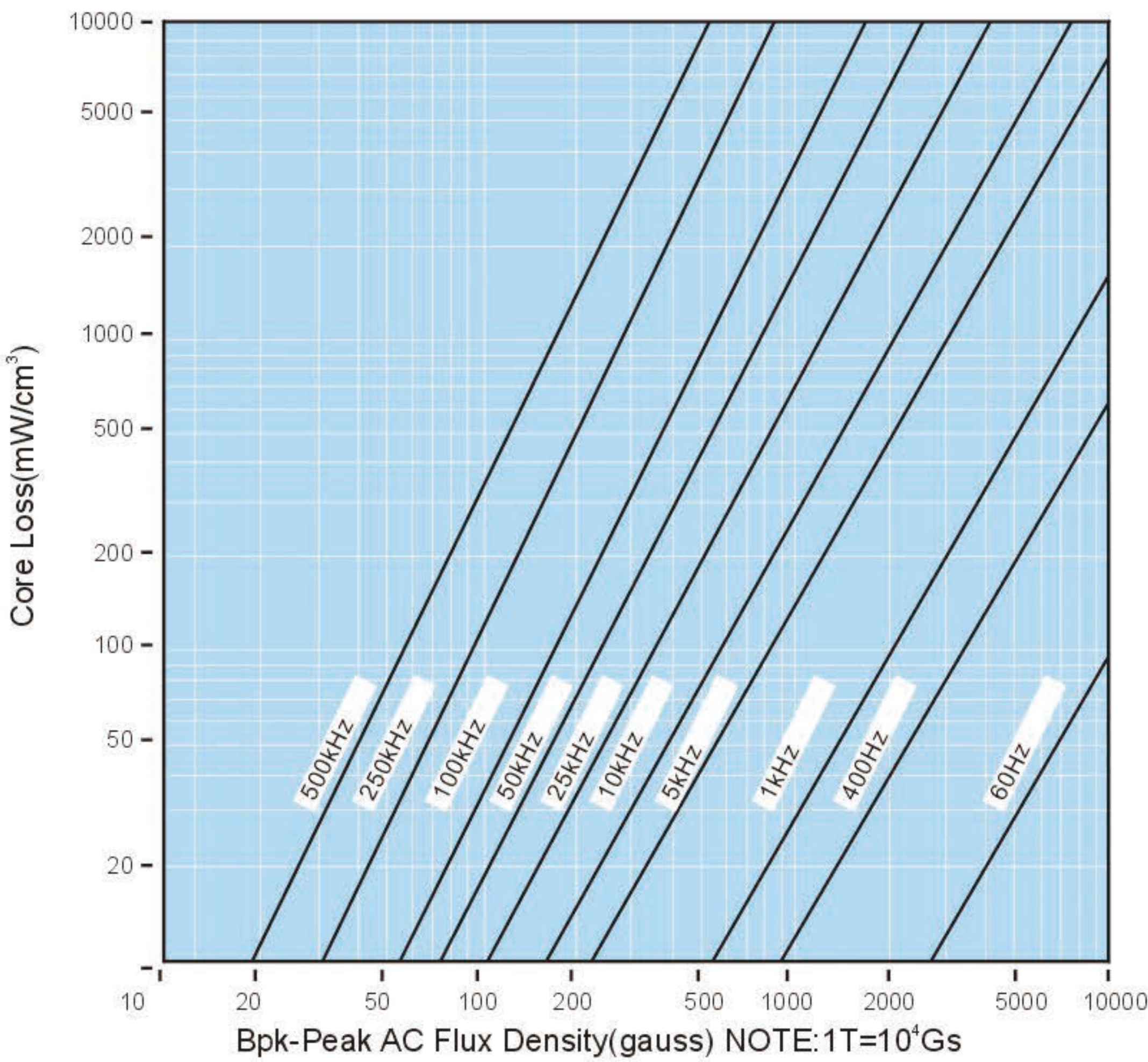
-18材磁芯损耗与AC峰值磁通密度关系曲线
/ -18Material $\mu_e = 55$ Core LOSS vs Peak AC Flux Density



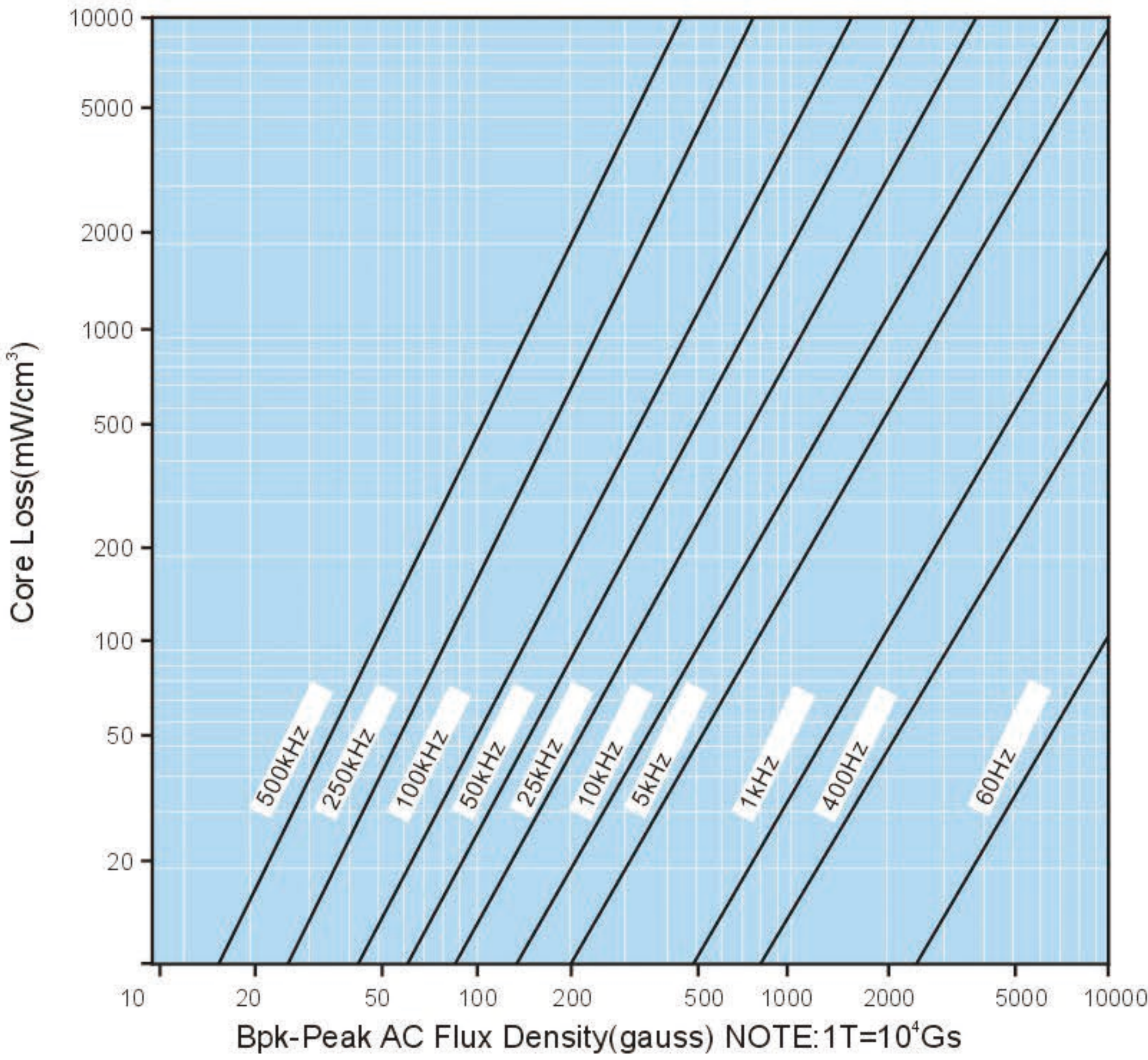
-26材磁芯损耗与AC峰值磁通密度关系曲线
/ -26Material $\mu_e = 75$ Core LOSS vs Peak AC Flux Density



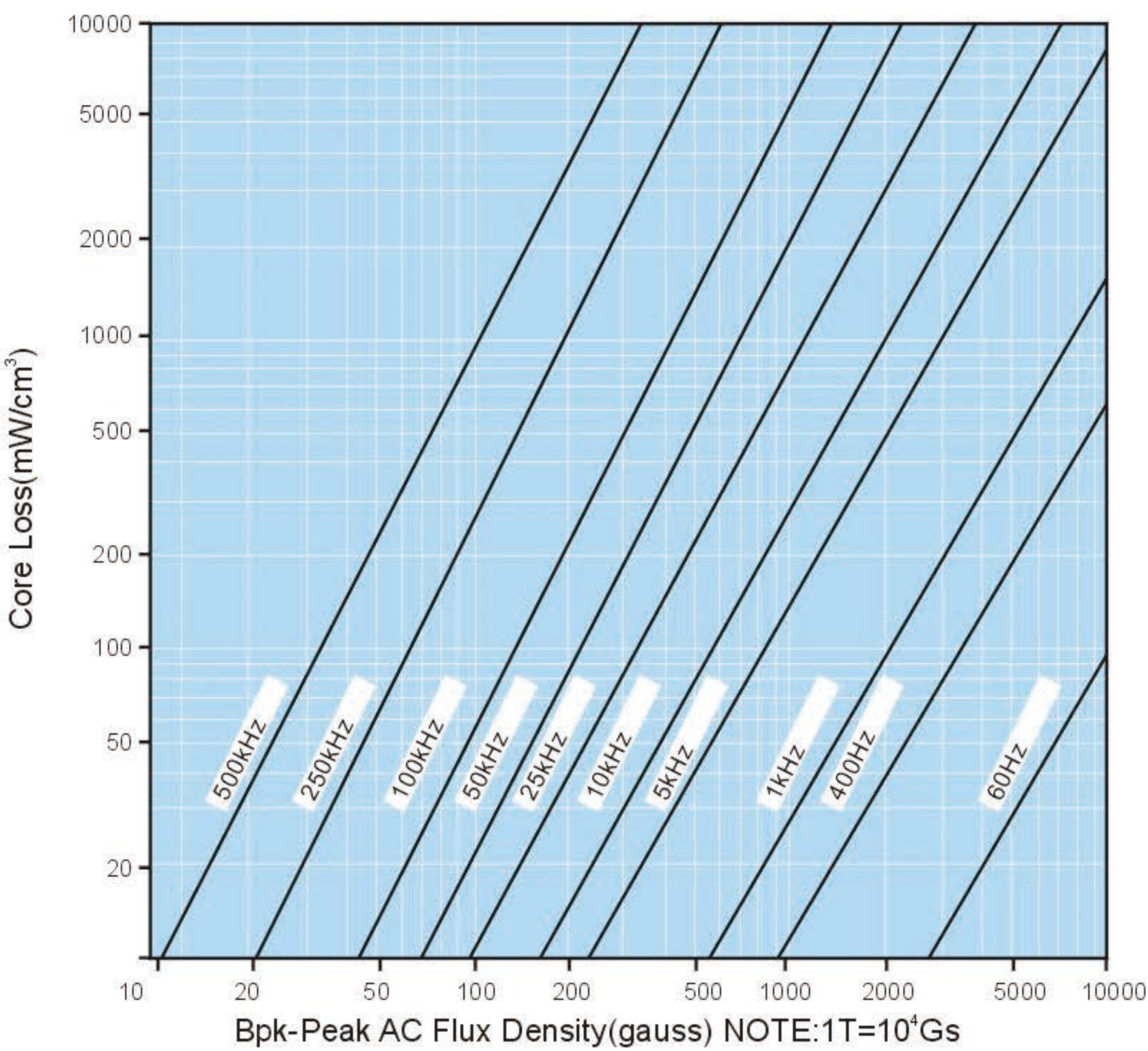
-34材磁芯损耗与AC峰值磁通密度关系曲线
/ -34Material $\mu_e = 33$ Core LOSS vs Peak AC Flux Density



-35材磁芯损耗与AC峰值磁通密度关系曲线
/ -35Material $\mu_e = 33$ Core LOSS vs Peak AC Flux Density



-40材磁芯损耗与AC峰值磁通密度关系曲线
/ -40Material $\mu_e = 60$ Core LOSS vs Peak AC Flux Density



-52材磁芯损耗与AC峰值磁通密度关系曲线
/ -52Material $\mu_e = 75$ Core LOSS vs Peak AC Flux Density

