SESM

神 奇 磁 业 有 限 公 司

SOFT FERRITE PRODUCT SELECTION GUIDE

产 品 目 录

Do our best for you …

DO OUR BEST FOR YOU . . .

神奇磁业有限公司主要從事高性能　、硬磁性材料的研究、開發和制　，公司的主要產品有：高性能　磁體粉料、　磁鐵氧體元器件、汽車電機磁瓦等。公司已建成年產3600噸　磁體粉料、2000噸　磁鐵氧體磁芯和500噸汽車電機用高性能磁瓦的生產能力。公司以專研高新科技，追求卓越品質的精神，　業界俱進，同客戶共榮。

Jingzhou Super-Magnet Co., Ltd.(short in sesm) is professional in research, development and manufacture of high performance soft & hard ferrite materials. The main products of sesm are the high performance soft ferrite powders,cores, components and the segment ferrite special for automobile motor. sesm has build up the soft ferrite powders line with annual output up to 3600T,the high soft ferrite cores production line with annual output up to 2000T,and has the manufacturing capability of annual output 500T high performance segment ferrites for automobile motor. With the quality goal of pursuing high and stable quality by using advanced technology to satisfied customers ,sesm will make progress with the ferrite industries and share honor with the customers.

博朗兹钟罩炉（德国）
Brands Elevator kilns (Germany)

44米氮气保护遂道双轨窑
44m Double rail with N_2 auto-protection tunnel kiln

道斯特DACS 自动压机（德国）
Dorst DACS automatic press (Germany)

理学X射线荧光光谱仪(日本）
Rigaku X-ray Fluorescence analyzer(Japan)

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Materials Cross Reference

SESM	SP30	SP40	SP44	SP50	SV22	SV45	SH5	SH7	SH10	SH12	SH15
TDK	PC30	PC40	PC44	PC50	HV22	HV45	HS52	HS72	HS10	H5D	H5C3
EPCOS (SIEMENS)	N41	N67/N87	N97	N49	N62		T35	T37/T44	T38	T42	T46
FERROXCUBE (PHILIPS)	3C85	3C94	3F3	3F4/3F3.5	3C15	3C130	3E4	3E25/3E27	3E5	3E6	3E7
NICERA	NC-1M	NC-2H	2HM5	5M	NC-1H		NC-5Y	NC-7	NC-10H	NC-12H	NC-15H
ACME	P2	P4		P5			A05	A07	A10	A12	
TOKIN	3100	BH2	BH1	B40			5000H	7000H	12000H		
FDK	6H10	6H20	6H40	7H10	5H20	5H40	2H06	2H07	2H10		2H15
HITACHI (NIPPON)	SB-5S	SB-7C	SB-9C	SB-1M			GP7	GP9	GP11	MT10T	
SAMWHA	PL-5	PL-7	PL-9	PL-F1	SM-19B	SM-19C	SM-50	SM-70S	SM-100		SM-150
ISU	PM-1	PM-7	PM-11	FM-5	PM7E		HM2A	HM3/HM3A	HM5A		HM7A
KAWATETSU		MB3	MB4				MA055	MA070	MA100	MA120	
AVX/TPC	B1	B2/F1	F2	F4	B3/B5	B7	A4/A5	A3	A2		
MMG-NEOSID	F5A/F5C	F44	F45	F47	F5		F9C	FT7/F57	F39		
TOMITA	2E6	2E7	2E8		2E6C		2E3	2E7	2E2		
ISKRA	25G	45G	35G	75G	15G		19G	22G	12G	32G	52G
TDG	TP3	TP4	TP4A	TP5			TL5	TL7	TL10	TL13	TL15
JINNING	JP3	JP4/JP4A	JP4B	JP5	JV2A/JV2	JV4	JH5/JH5A	JH7/JH7A	JH10		JH15
DMEGC	DMR30	DMR40	DMR44	DMR50				DMR6K	DMR10K	DMR12K	DMR15K

Symbols and Terms

Symbol	Chinese	Meaning	Unit
μ_i	初始磁导率	Initial permeability	
μ_e	有效磁导率	Effective permeability	
B_s	饱和磁通密度	Saturation magnetic flux density	T
Br	剩余磁通密度	Residual magnetic flux density	T
Hc	矫顽力	Coercivity	A/m
tan δ	损耗因数	Loss factor	
tan δ/μ_i	相对损耗因数	Relative loss factor	
Q	品质因数	Quality factor	
α_μ	温度系数	Temperature coefficient	1/K
$\alpha_{\mu r}$	相对温度系数	Relative temperature coefficient	1/K
Tc	居里温度	Curie temperature	℃
D_F	减落因数	Disaccommodation factor	
ρ	电阻率	Electrical resistivity	Ω/m
d	密度	Density	kg/ m^3
Pc	功率损耗	Power loss	kW/ m^3、W/kg
A_L	电感因数	Inductance factor	nH/N^2

索样单 SAMPLE REQUEST

TO:神奇磁业（SESM）销售部　　传真 （Fax） 86 716 8333595

惠寄神奇公司产品样品，有关资讯如下：　　电邮 (Email) sales@sesm.com

Please send us sesm product samples,information as follow

公司名称（Company Name）

联系人（Contact Person）　　联系电话（Telephone）

传真（Fax）

网页(Web Page)　　电子邮箱（Email）

通信地址（Address）：

神奇磁业产品目录　本，收件人为：　　工程开发部：　（先生/小姐）

Please send SESM catalogue　pieces　　资材采购部：　（先生/小姐）

　部：　（先生/小姐）

产品用途（Application of the products）

样品用途（Sample for）☐新设计New Design　　☐现有产品（Second Source）

☐技术评估（Engineering Evaluation）　　☐其它（Other)

产品型号（Type）			
材料（Material）			
月用量（Month Quantity）			
样品数量（Quantity）			
测试频率（Testing Frequency）			
工作温度（Working Temperature）			
磁芯　Cores	磁环　Toroidal Cores		
μi　初始磁导率	μi　初始磁导率		
AL　电感系数	L1t　单圈电感		
Bs　饱和磁通密度	Lnt　多圈电感		
Tc　居里温度	Tc　居里温度		
Pc　功率损耗	面涂覆　Coating		
Hc　矫顽力	Epoxy Coating		
Air gap　气隙	Parylene Cating		

外形尺寸 Dimensions

其它要求：Other Requirements

自行复印此　，传真至神奇磁业公司 86 716 8333595

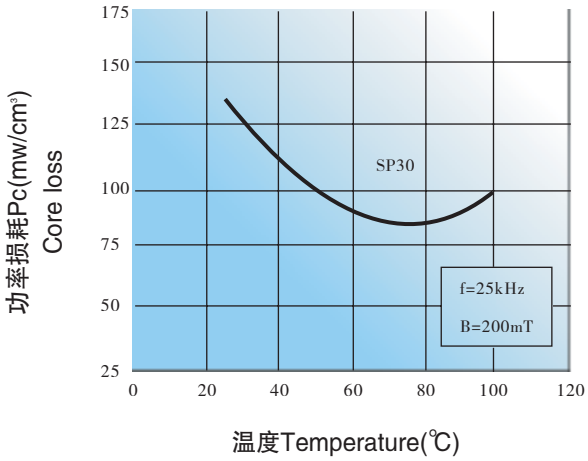
Please copy this table and fax to sesm　86 716 8333595

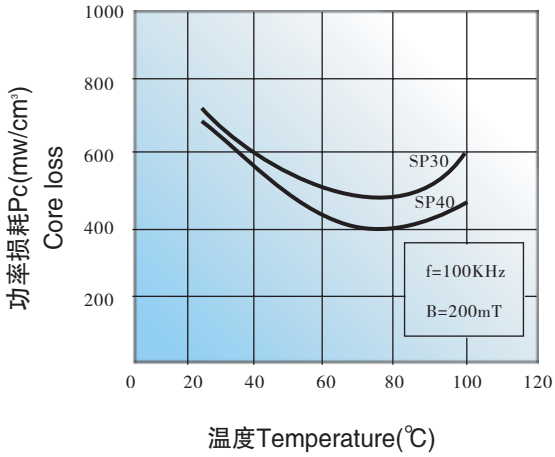
MnZn功率铁氧体材料特性
MnZn Power Ferrite Material Characteristics

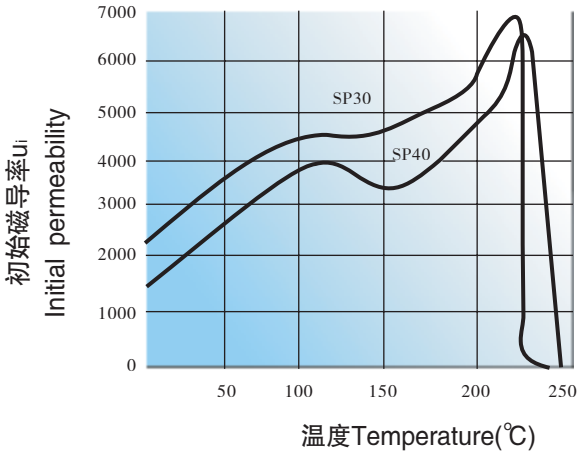
特 性 Characteristics	符号 Symbol	单位 Unit		SP30	SP40	SP44	SP50
初始磁导率 Initial permeability	μi			2500±25%	2300±25%	2300±25%	1400±25%
相对损耗因数 Relative loss factor	tanδ/μi	$\times 10^{-6}$			<5	<4	
饱和磁通密度 Saturation flux density	Bs	mT	25℃	510	510	510	470
			100℃	390	390	390	380
				(1194A/m)	(1194A/m)	(1194A/m)	(1600A/m)
剩磁Remanence	Br	mT		117	95	110	140
矫顽力 Coercivity	Hc	A/m		12	14.3	13	35
功率损耗 Power loss (f=25kHz,B=200mT)	Pc	mw/cm^3	25℃	130	120		
			60℃	90	80		
			80℃				
			100℃	100	70		
功率损耗 Power loss (f=100kHz,B=200mT)	Pc	mw/cm^3	25℃	700	600	600	
			60℃	500	450	400	
			80℃				
			100℃	600	410	300	
功率损耗 Power loss (f=500kHz,B=50mT)	Pc	mw/cm^3	25℃				130
			60℃				80
			80℃				
			100℃				80
居里温度Curie temperature	Tc	℃		>230	>215	>215	>240
电阻率 Resistivity	ρ	Ω.m		10	6.5	6.5	
密度 Density	d	$kg/m^3 \times 10^3$		4.8	4.8	4.8	4.8

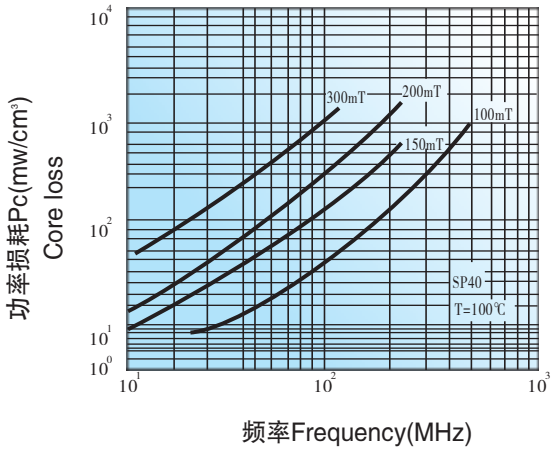
注：如无说明，各　数值均系用环型磁芯在室温下测得。
Note：The values were obtained with toroidal cores at room temperature unless otherwise shown.

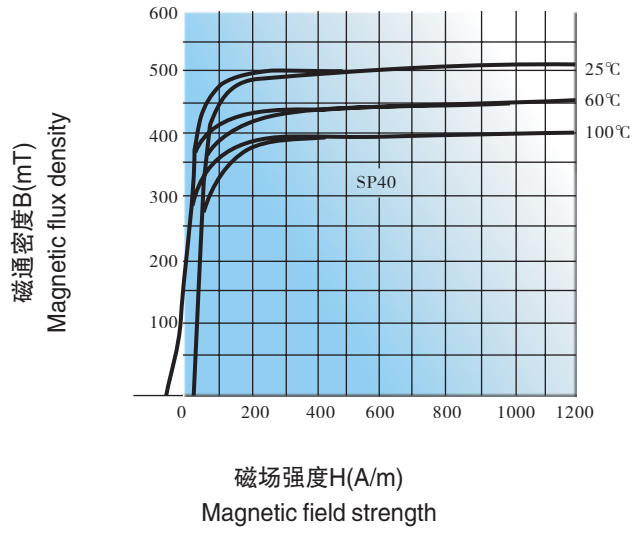
MnZn功率材料特性曲线图
MnZn Power Material Characteristics Curve











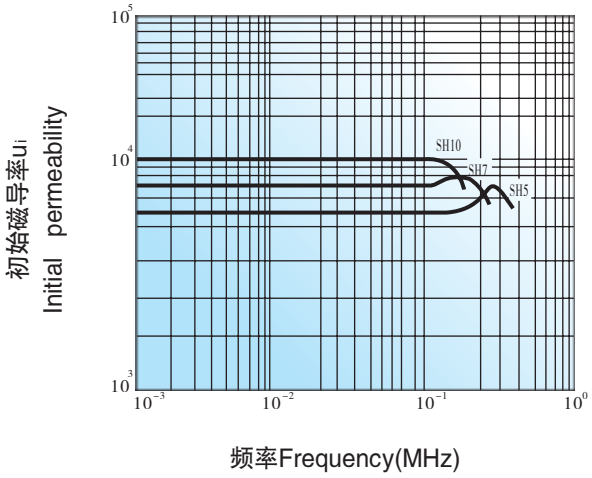
材料特性 Material Characteristics

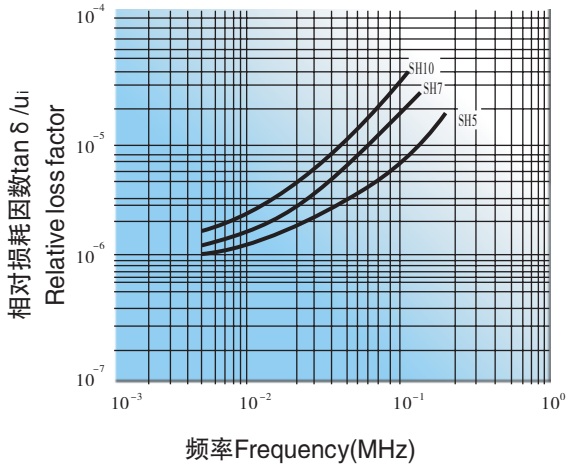
MnZn高磁导率铁氧体材料特性
MnZn High Permeability Ferrite Materials

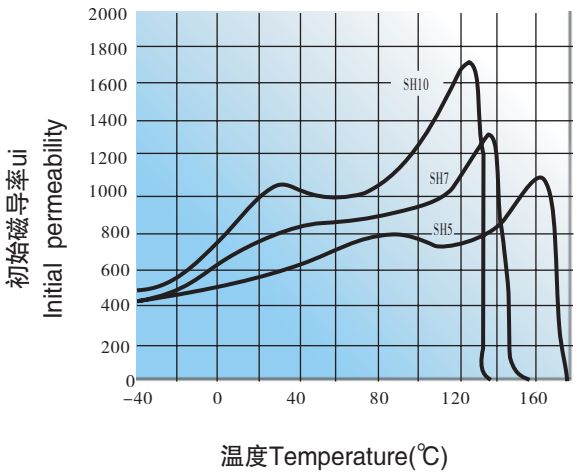
特 性 Characteristics	符 号 Symbol	单位 Unit	SH5	SH7	SH10	SH12
初始磁导率 Initial permeability	μi		5500 ± 25%	7500 ± 25%	10000 ± 25%	12000 ± 25%
相对损耗因数 Relative loss factor	tanδ/μi	× 10–6	≤6.5(10kHz	≤7(10kHz)	≤7(10kHz)	≤7(10kHz)
相对温度系数 Relative Temperature coefficient	α μr	× 10–6 1/℃	–0.5~2.0 (20 ~ 60℃)	–0.5~2.0 (20 ~ 60℃)	–0.5~1.5 (20 ~ 60℃)	–0.5~3.0 (20 ~ 60℃)
饱和磁通密度 Saturation flux density	Bs	mT	420 (800A/m)	410 (1194A/m)	400 (1194A/m)	360 (1194A/m)
剩磁 Remanence	Br	mT	150	80	90	100
矫顽力 Coercivity	Hc	A/m	8	6	7.2	4.4
减落因数 Disaccommodation factor	DF	10–6	≤3	≤3	≤3	≤2.0
居里温度 Curie temperature	Tc	℃	> 140	> 130	> 120	> 115
电阻率 Resistivity	ρ	Ω · m	0.3	0.2	0.05	0.15
密度 Density	d	kg/m3 x 103	4.9	4.9	4.9	4.95

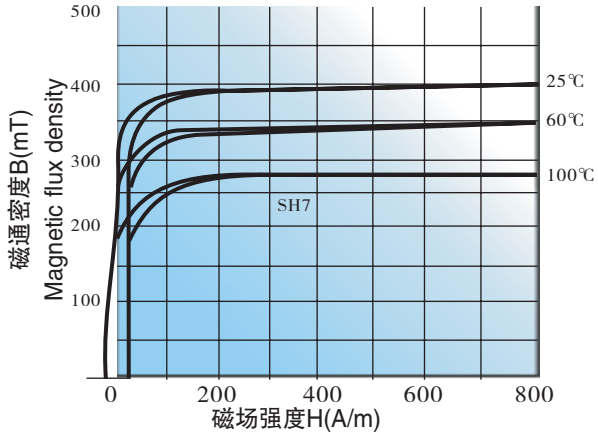
注：如无说明，各 数值均系用环型磁芯在室温下测得。
Note：The values were obtained with toroidal cores at room temperature unless otherwise shown.

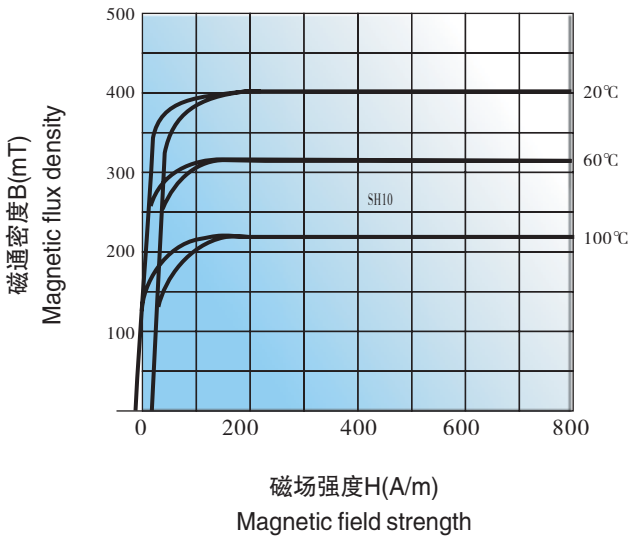
MnZn高磁导率材料特性曲线图
MnZn High Permeability Material Characteristics Curve



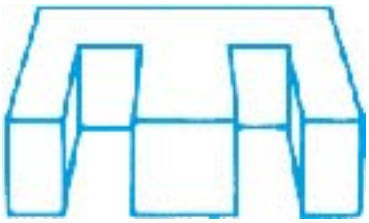


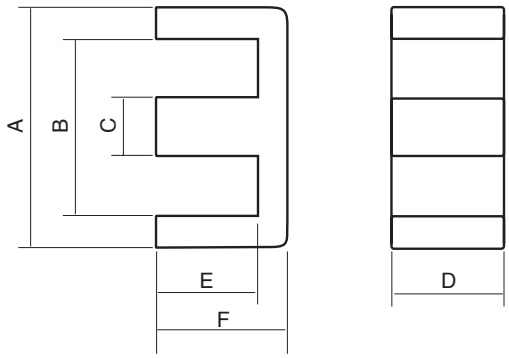






Low Power Ferrite EE Cores





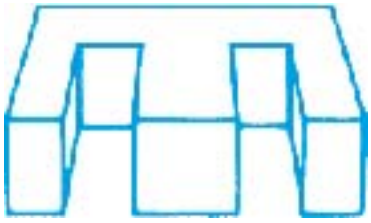
Dimensions(mm)

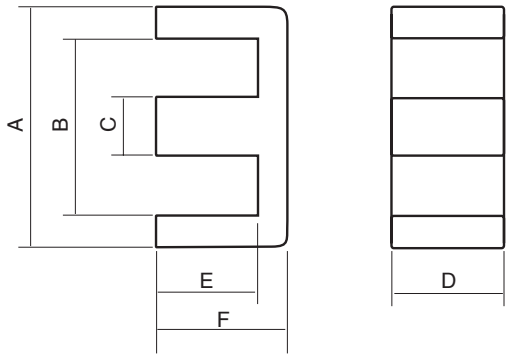
Type	A	B	C	D	E	F
EE05/05	5.25±0.10	3.80min	1.35±0.10	1.95±0.10	2.00±0.10	2.65±0.10
EE8.3/08	8.30±0.20	6.00min	1.85±0.15	3.90±0.15	3.00±0.10	4.00±0.10
EE8.6/8.6	8.60±0.20	6.50 min	$2.10^{\ 0}_{-0.30}$	3.80±0.20	3.2±0.10	4.30±0.15
EE10/11	10.20±0.20	7.70min	2.40±0.20	4.80±0.20	4.35±0.10	5.50±0.15
EE13/08	$12.70^{\ 0}_{-0.35}$	10.3 min	3.18±0.10	6.45±0.15	2.85±0.13	4.00±0.13
EE13/12	13.00±0.30	10.20min	2.75±0.15	6.15±0.15	4.75±0.25	6.20±0.15
EE16/14	16.00±0.30	11.70min	3.90±0.15	4.80±0.20	5.35±0.10	7.40±0.15
EEL16/25	16.00±0.30	12.0±0.30	4.00±0.20	4.80±0.20	10.20±0.20	12.20±0.20
EF16/16	16.10±0.30	11.70±0.30	4.55±0.15	4.50±0.20	5.90±0.20	8.15±0.15
EE19/16	19.00±0.30	14.20min	4.85±0.25	4.85±0.25	5.70±0.20	8.00±0.20
EEL19/27	20.00±0.30	14.30min	4.85±0.25	4.85±0.25	11.30±0.30	13.55±0.25
EF20/20	20.00±0.40	14.5±0.40	5.70±0.20	5.70±0.20	7.20±0.20	10.0±0.40
EE21/28	20.50±0.40	14.35±0.25	6.35±0.15	6.35±0.15	10.70±0.20	14±0.20
EE22/19	22.00±0.40	16.00±0.40	5.75±0.25	5.70±0.30	5.40±0.20	9.20±0.20

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EE05/05	4.7	12.5	2.66	33.25	290	270	280	0.2
EE8.3/8.3	2.4	19.2	7.0	134.4	740	680	710	0.92
EE8.6/8.6	2.54	20.6	8.1	166.86	980	900	940	0.82
EE10/11	2.33	26.6	11.4	303.24	840	770	800	1.5
EE13/08	1.56	21.8	14.0	305.20	1300	1200	1250	1.6
EE13/12	1.89	30.3	16.0	484.80	1130	1040	1090	2.4
EE16/14	1.92	35.5	18.5	656.75	1250	1140	1200	3.2
EEL16/25	2.8	55.1	19.4	1068.94	850	780	810	5.3
EF16/16	1.87	37.6	20.1	755.76	1090	1100	1150	3.9
EE19/16	1.68	39.2	23.3	913.36	1350	1250	1300	4.2
EEL19/27	2.44	61.0	25.0	1525	900	830	870	7.2
EF20/20	1.43	46.1	32.2	1484.42	1600	1450	1500	7.5
EE21/28	1.52	60.7	39.9	2421.93	1600	1450	1500	12.0
EE22/19	1.16	42.0	36.3	1524.60	2100	1950	2000	8.0

Low Power Ferrite EE Cores





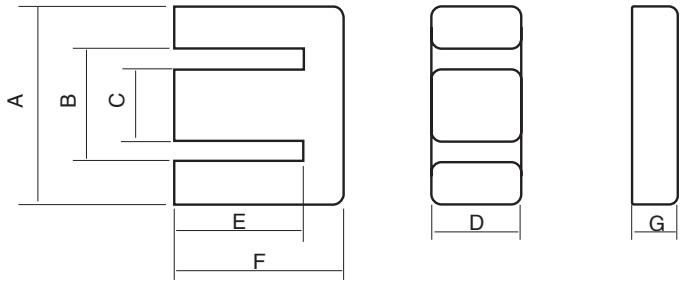
Dimensions(mm)

Type	A	B	C	D	E	F
EE22/20	22.10±0.40	17.30min	4.00±0.30	5.00±0.25	7.6±0.20	10±0.20
EE22/30	22.00±0.50	15.70min	5.80±0.25	5.80±0.25	11.00±0.40	15±0.25
EE25/20	25.50±0.40	19.30min	6.40±0.30	6.60±0.40	6.60±0.40	10.10±0.30
EF25/25	25.05±0.50	17.90±0.30	7.25±0.30	7.20±0.30	$8.70^{+0.50}_{0}$	$12.80^{0}_{-0.50}$
EF25/25A	25.05±0.50	17.90±0.30	7.25±0.30	10.75±0.30	$8.70^{+0.50}_{0}$	$12.80^{0}_{-0.50}$
EE28/21	28.5±0.40	20.50±0.40	7.30±0.25	10.80±0.20	6.6±0.30	11.0±0.20
EE28/28	28.40±0.40	20.00min	7.20±0.30	10.00±0.30	9.90±0.20	14.4±0.20
EE30/30	$30.00^{+0.80}_{-0.60}$	20.00min	$7.20^{0}_{-0.50}$	$7.30^{0}_{-0.50}$	$9.70^{+0.50}_{0}$	15.00±0.20
EE35/28	34.60±0.50	25.20min	9.40±0.20	9.30±0.30	9.80±0.25	14.30±0.35
EE35/30	35.00±0.4	25.00±0.40	10.05±0.25	11.75±0.25	9.10±0.25	15.10±0.35
EE40/35	40.10±0.70	27.50min	11.70±0.20	11.70±0.20	10.30±0.25	17.4±0.30
EE41/33	41.50±0.80	29.00min	12.45±0.25	12.70±0.25	10.50min	17.00±0.20
EE42/15	$42.00^{+0.60}_{-0.40}$	29.50min	$12.20^{0}_{-0.50}$	$15.20^{0}_{-0.60}$	$14.80^{+0.60}_{0}$	21.00±0.20
EE42/20	$42.00^{+1.00}_{-0.70}$	29.50min	$12.20^{0}_{-0.50}$	$20.00^{0}_{-0.80}$	$14.80^{+0.60}_{0}$	21.00±0.20
EE55/55	55.15±1.05	37.50min	16.95±0.25	$21.00^{0}_{-0.8}$	37.60±0.60	27.5±0.30

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EE22/20	2.35	50.8	21.6	1097.28	990	910	950	5.5
EE22/30	1.79	63.9	35.7	2281.23	1400	1300	1350	12.0
EE25/20	1.23	49.8	40.4	2011.92	1900	1750	1850	10
EF25/25	1.12	57.8	52	3005.60	2150	2000	2100	15
EF25/25A	0.75	57.5	77.8	4473.50	3300	3050	3200	22
EE28/21	0.62	51.7	82.9	4285.93	4000	3700	3850	21
EE28/28	0.83	65.4	79.2	5179.68	2900	2650	2750	26.4
EE30/30	1.09	65.4	60	3924.00	2000	1850	1950	22
EE35/28	0.82	69.7	84.8	5910.56	2700	2500	2600	29
EE35/30	0.55	68.3	124	8469.20	4800	4400	4600	43.7
EE40/35	0.53	77.6	147.5	11446.0	4000	3700	3850	58
EE41/33	0.50	79	158	12482.0	4350	4000	4150	64
EE42/15	0.55	97.9	178.0	17426.2	4700	4300	4500	88
EE42/20	0.42	97.8	235	22983.0	6100	5600	5850	116.0
EE55/55	0.35	123.0	354	43542.0	6250	5750	6000	221.0

Low Power Ferrite EI Cores



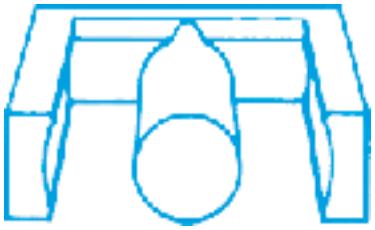
Dimensions(mm)

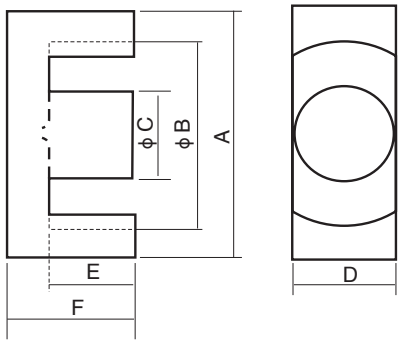
Type	A	B	C	D	E	F	G
EI13/09	12.50±0.30	9.40±0.30	2.50±0.20	5.00±0.20	5.10±0.20	7.50±0.30	1.50±0.15
EI16/14	16.00±0.30	11.80min	$4.00^{0}_{-0.30}$	$5.00^{0}_{-0.30}$	10.80±0.20	12.40±0.30	2.10±0.20
EI19/16	19.20±0.30	$14.30^{+0.6}_{0}$	4.55±0.15	$5.10^{0}_{-0.50}$	11.30±0.30	13.60±0.20	2.35±0.20
EI22/19	22.00±0.60	16.20min	5.70±0.30	5.70±0.30	11.00±0.20	15.40±0.30	4.00±0.20
EI25/19	25.40±0.40	18.70min	6.40±0.30	6.40±0.30	13.50±0.25	15.80±0.30	3.20±0.30
EI28/20	28.00±0.50	18.60min	7.20±0.30	10.70±0.30	12.50±0.30	17.00±0.30	3.50±0.20
EI30/26	30.60±0.50	20.60min	10.65±0.35	10.65±0.35	16.50±0.30	21.50±0.30	5.50±0.30
EI33/29	33.00±0.50	23.8min	9.70±0.30	12.7±0.30	19.20±0.25	23.80±0.30	5.00±0.30
EI35/30	35.00±0.60	24.2min	10.0±0.30	11.7±0.30	18.20±0.30	24.2±0.50	5.00±0.30
EI35/30A	35.00±0.60	24.2min	10.0±0.30	10.0±0.30	18.20±0.30	24.2±0.50	5.00±0.30
EI40/35	40.00±0.70	27.5min	11.7±0.30	11.7±0.30	20.50±0.30	27.5±0.50	7.50±0.30

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EI13/09	1.43	20.6	14.4	296.64	1300	1200	1250	1.9
EI16/14	1.91	35.9	18.8	674.92	1300	1200	1250	3.4
EI19/16	1.56	39.0	25.0	975.0	1400	1300	1350	4.9
EI22/19	1.15	42.5	37.0	1572.5	2150	2000	2100	8.4
EI25/19	1.2	48	40.4	1939.2	1950	1800	1900	10.0
EI28/20	0.58	48.9	85.0	4156.5	4300	3950	4100	22.0
EI30/26	0.54	58.8	109.0	6409.2	4350	4000	4150	32.5
EI33/29	0.57	67.5	118.0	7965.0	4600	4250	4400	41.0
EI35/30	0.56	68.0	122.0	8296.0	3950	3650	3800	43.0
EI35/30A	0.66	68.3	104.0	7103.2	3700	3400	3550	37.0
EI40/35	0.53	77.4	147.1	11385.54	5100	4700	4900	60.0

Low Power Ferrite EC/ETD Cores





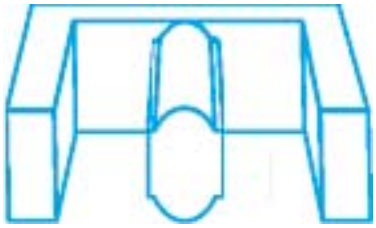
Dimensions(mm)

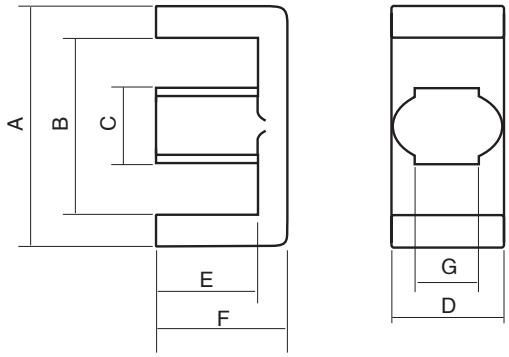
Type	A	ϕB	ϕC	D	E	F
EC9.5/5	9.35±0.15	7.6±0.15	3.40±0.10	4.9±0.10	$1.60^{+0.15}_{0}$	2.45±0.05
EC12/05	11.80±0.20	9.4±0.20	4.60±0.15	5.10±0.20	$1.40^{+0.15}_{0}$	2.55±0.05
EC28/20	28.5±0.60	21.4min	9.90±0.30	11.40±0.30	$6.4^{+0.50}_{0}$	10.0±0.30
EC28/28	28.50±0.60	21.2min	9.90±0.30	11.40±0.30	9.60±0.30	14.0±0.30
EC28/34	28.50±0.60	21.2min	9.90±0.30	11.40±0.30	12.5±0.30	16.9±0.30
EC29/34	29.30±0.40	22.0min	9.90±0.30	11.40±0.30	12.5±0.30	16.9±0.30
ETD29/32	29.8±0.70	22.0min	9.50±0.30	9.50±0.30	11.0±0.30	15.8±0.20
EC33/35	33.00±0.50	24.7min	12.50±0.25	14.0±0.25	12.8±0.30	17.3±0.20
ETD34/34	34.20±0.80	25.6min	10.8±0.30	10.8±0.30	12.1±0.30	17.3±0.30
EC35/30	35.00±0.70	25.3min	11.3±0.30	11.3±0.30	10.0±0.40	15.0±0.30
EC35/42	35.30±0.50	25.3min	11.30±0.30	11.30±0.30	15.00±0.30	21.4±0.20
EC35/43	35.30±0.50	26.5min	11.30±0.30	11.30±0.40	15.50±0.30	21.5±0.30
EC36/43	36.0±0.50	27.0min	11.30±0.30	11.30±0.30	15.50±0.30	21.5±0.30
ETD39/40	39.30±0.50	29.30min	12.50±0.30	12.50±0.40	14.60±0.30	20.2±0.30
EC39/42	39.30±0.50	29.30min	12.50±0.30	12.50±0.40	15.80±0.35	21.0±0.30
EC39/43	39.30±0.50	29.30min	12.50±0.30	12.50±0.40	16.00±0.35	21.2±0.20
EC39/45	39.30±0.50	29.50min	12.50±0.30	12.50±0.40	17.1±0.30	22.3±0.40
EC40/42	40.0±0.80	30.7min	14.00±0.25	15.00±0.20	15.30±0.25	21.3±0.30
EC40/45	40.0±0.80	29.00min	13.30±0.30	13.30±0.30	15.4±0.25	22.4±0.30
EC42/45	42.0±0.50	29.4min	15.50±0.25	15.50±0.25	16.00±0.30	22.4±0.30
ETD44/45	44.0±1.00	32.5min	14.8±0.40	14.8±0.40	16.5±0.30	22.3±0.30
ETD49/50	48.7±1.00	36.1min	16.3±0.40	16.3±0.40	18.1± 0.40	24.7±0.40

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EC9.5/5	1.68	14.20	8.47	120.27	1150	1050	1100	0.6
EC12/05	0.91	15.20	16.75	254.6	2050	1900	2000	1.3
EC28/20	0.60	49.0	81.0	3969.0	3550	3300	3450	21
EC28/28	0.73	63.0	86.0	5418.0	3100	2850	3000	29.0
EC28/34	0.87	74.4	85.4	6353.76	2900	2650	2750	34.0
EC29/34	0.886	79.2	88	6969.6	2650	2450	2550	34
ETD29/32	0.93	70.6	76.0	5365.6	2500	2300	2400	28.0
EC33/35	0.62	77.8	125.0	9725	3550	3250	3400	48.5
ETD34/34	0.81	78.6	97.5	7663.5	3150	2900	3050	39.0
EC35/30	0.66	70.3	107.0	7522.1	3100	2850	2950	39.0
EC35/42	0.83	91.0	109	9919.0	2950	2700	2800	52
EC35/43	0.85	93.0	109	10137	2850	2600	2700	53
EC36/43	0.87	94.1	108.1	10172.21	2700	2500	2600	53.5
EC39/40	0.76	94.4	123.8	11686.7	3400	3150	3250	60
EC39/42	0.80	98.8	123.4	12191.92	3250	3000	3100	61
EC39/43	0.80	98.4	123.4	12142.56	3250	3000	3100	61.5
EC39/45	0.84	102.8	123.0	12644.4	3100	2900	3000	66
EC40/42	0.61	96.3	158.0	15215.4	3750	3450	3600	79
EC40/45	0.65	97.4	151.0	14707.4	3900	3600	3750	78
EC42/45	0.5	95.5	203.7	19453.35	4000	3800	3900	90
EC44/45	0.60	104.0	173	17992.0	4100	3750	3900	92
ETD49/50	0.549	115	209	24000	4800	4400	4600	117

Low Power Ferrite EED Cores





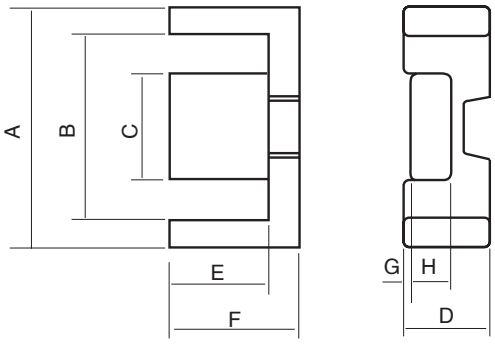
Dimensions(mm)

Type	A	B	C	D	E	F	G
EED28/20	28.00±0.40	20.50min	8.50±0.20	11.9±0.20	6.7±0.30	10.20±0.30	7.2±0.2
EED29/20	29.30±0.70	21.60min	8.40±0.20	11.60±0.20	6.6±0.20	10.20±0.30	7.0±0.2
EED29/24	29.30±0.70	21.60min	8.40±0.20	11.60±0.20	8.60±0.20	12.20±0.20	7.0±0.2
EED29/29	29.30±0.70	21.60min	8.40±0.20	11.60±0.20	11.00±0.20	14.80±0.20	7.0±0.2

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EED28/20	0.56	50.3	90.0	4527	4000	3800	3200	22.0
EED29/20	0.62	51.9	84.0	4359.6	3350	3050	3200	23.0
EED29/24	0.71	59.9	84.1	5037.59	2900	2700	2800	26.0
EED29/29	0.83	69.5	84.1	5844.95	2200	2000	2100	30.0

Low Power Ferrite EFD Cores



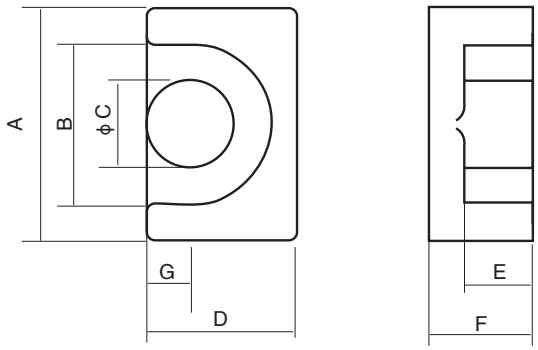
Dimensions(mm)

Type	A	B	C	D	E	F	G	H
EFD10/10	10.50±0.30	7.65±0.25	4.55±0.15	2.70±0.10	3.75±0.15	5.20±0.10	0.2±0.10	1.45±0.05
EFD12/12	12.50±0.30	9.00±0.25	5.40±0.15	3.50±0.10	4.55±0.15	6.20±0.10	0.2±0.10	2.00±0.10
EFD13/13	13.20±0.20	10.70±0.20	5.60±0.15	4.60±0.15	4.50±0.20	6.60±0.20	0.00	2.05±0.10
EFD15/15	15.00±0.40	11.00±0.35	5.30±0.20	4.65±0.20	5.50±0.25	7.50±0.15	0.2±0.10	2.40±0.15
EFD20/20	20.00±0.55	15.40±0.50	8.90±0.15	6.65±0.15	7.70±0.25	10.0±0.15	0.2±0.10	3.60±0.15
EFD25/25	25.0±0.65	18.70±0.50	11.4±0.20	9.10±0.20	9.30±0.25	12.5±0.15	0.6±0.10	5.2±0.15
EFD30/30	30.0±0.80	22.40±0.75	14.6±0.25	9.10±0.20	11.2±0.30	15.0±0.15	0.8±0.20	4.9±0.15

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EFD10/10	3.29	23.70	7.20	170.64		585		0.9
EFD12/12	2.50	28.50	11.40	324.9		825		1.8
EFD13/13	3.01	29.5	9.8	289.10		750		1.6
EFD15/15	2.27	34.00	15.00	510.0	820	850	780	2.5
EFD20/20	1.52	47.00	31.00	1457.0	920	1300	890	7.0
EFD25/25	0.80	59.3	74.5	4417.85	1400	2650	1350	22.0
EFD30/30	0.98	68.00	69.00	4692.0	2900	2100	2750	24

Low Power Ferrite EP Cores



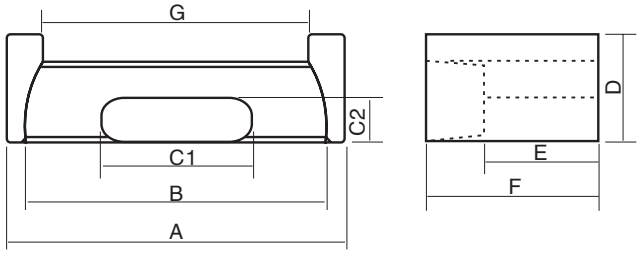
Dimensions(mm)

Type	A	B	ϕC	D	E	F	G
EP6	6.00±0.15	4.40±0.15	1.70±0.10	3.80±0.10	2.20±0.15	3.00±0.10	0.9±0.10
EP7	9.20±0.20	7.40±0.20	3.30±0.10	6.35±0.15	2.60±0.10	3.70±0.05	1.7±0.10
EP10	11.50±0.30	9.40±0.20	3.30±0.20	7.65±0.20	3.70±0.10	5.10±0.10	1.92±0.10
EP13	12.50±0.30	10.00±0.30	4.35±0.15	8.80±0.20	4.60±0.10	6.50±0.15	2.47±0.10
EP17	18.40±0.4	12.0±0.40	5.68±0.18	11.0±0.30	5.60±0.15	8.40±0.20	3.30±0.15
EP20	24.50±0.5	16.5±0.4	8.75±0.25	14.95±0.35	7.15±0.15	10.70±0.20	4.50±0.20

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EP6	3.4	10.1	2.97	30.0		450		0.5
EP7	1.52	15.7	10.3	161.71	1150	1050	1100	1.4
EP10	1.7	19.2	11.3	216.96	1700	1550	1600	2.8
EP13	1.24	24.2	19.5	471.9	1700	1550	1600	5.1
EP17	0.84	28.5	33.9	966.15	2500	2300	2400	13
EP20	0.51	40	78	3120.0	4200	3850	4200	28

Low Power Ferrite EPC Cores



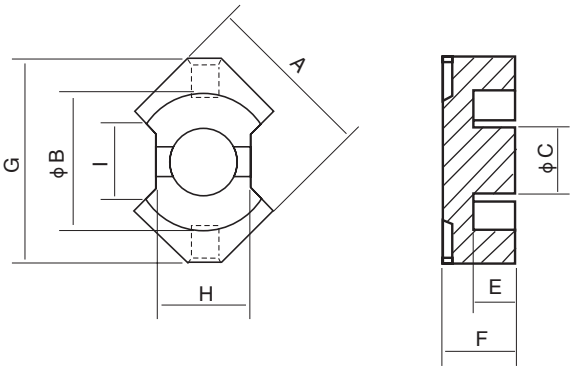
Dimensions(mm)

Type	A	B	C1	C2	D	E	F	G
EPC10/08	10.0±0.20	7.60min	5.00±0.10	1.90±0.10	3.40±0.10	2.65±0.10	4.05±0.10	5.30min
EPC13/13	13.3±0.30	10.50min	5.60±0.15	2.05±0.10	4.60±0.15	4.50±0.20	6.60±0.20	8.30min
EPC17/17	17.6±0.38	14.30min	7.70±0.15	2.80±0.10	6.00±0.15	6.05±0.20	8.55±0.20	11.50min
EPC17/15	16.8±0.30	14.30min	7.70±0.15	2.80±0.20	6.00±0.15	5.50±0.20	7.60±0.20	11.10min
EPC19/20	19.1±0.48	15.80min	8.50±0.15	2.50±0.10	6.00±0.15	7.25±0.20	9.75±0.20	13.10min
EPC25/25	25.1±0.50	20.65min	11.50±0.20	4.00±0.10	8.00±0.20	9.00±0.30	12.50±0.20	17.10min
EPC27/32	27.1±0.50	21.60min	13.00±0.30	4.00±0.10	8.00±0.20	12.00±0.30	16.00±0. 20	18.50min
EPC30/35	30.1±0.50	23.60min	15.00±0.30	4.00±0.10	8.00±0.20	13.00±0.30	17.50±0.20	20.00min

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
EPC10/08	1.89	17.8	9.39	167.14	1050	1000	990	1.1
EPC13/13	2.46	30.6	12.5	382.50	900	870	870	2.1
EPC17/17	1.76	40.2	22.8	916.56	1250	1150	1200	4.5
EPC17/15	1.65	37.6	22.8	857.28	1350	1250	1300	3.8
EPC19/20	2.03	46.1	22.7	1046.47	980	900	940	5.3
EPC25/25	1.28	59.2	46.4	2746.88	1700	1550	1600	13
EPC27/32	1.34	73.1	54.6	3991.26	1800	1650	1700	18
EPC30/35	1.32	81.6	61	4977.6	1700	1550	1600	23

Low Power Ferrite RM Cores



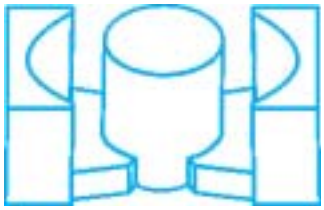
Dimensions(mm)

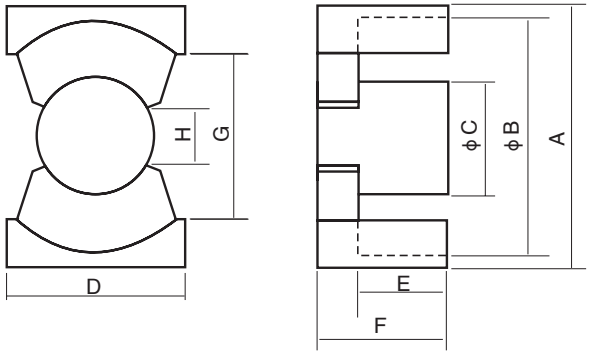
Type	A	φB	φC	E	F	G	H	I
RM4	9.60±0.20	8.15±0.15	3.80±0.10	3.60±0.10	5.20±0.10	11.60±0.20	$4.60^{0}_{-0.20}$	5.80min
RM5	12.05±0.25	10.4±0.20	4.80±0.10	3.25±0.1	5.25±0.15	14.65±0.25	$7.40^{0}_{-0.40}$	6.00min
RM6	14.40±0.30	12.65±0.25	6.30±0.10	$4.20^{+0.30}_{0}$	6.20±0.10	17.60±0.30	$8.20^{0}_{-0.40}$	8.40min
RM8	19.30±0.40	17.30±0.30	8.40±0.20	$5.50^{+0.40}_{0}$	8.20±0.10	$23.20^{0}_{-0.80}$	$11.00^{0}_{-0.50}$	9.50min
RM10	24.15±0.55	21.65±0.45	10.70±0.20	6.35±0.20	9.30±0.10	27.85±0.65	$13.50^{0}_{-0.50}$	10.90min
RM12	29.2±0.60	25.50±0.50	12.60±0.20	$8.40^{+0.30}_{0}$	11.75±0.10	37.75±0.75	$16.10^{0}_{-0.50}$	12.90min
RM14	34.2±0.50	29.5±0.5	14.70±0.30	$10.40^{+0.30}_{0}$	15.05±0.10	41.60±0.60	$19.00^{0}_{-0.60}$	17.00min

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
RM4	1.62	22.50	13.80	310.50		680	680	1.7
RM5	0.935	23.20	23.80	552.16	2080	1920	2000	3.2
RM6	0.784	29.20	37.00	1080.40	2500	2300	2400	5.5
RM8	0.604	38.40	64.00	2457.6	3440	3160	3300	12.5
RM10	0.462	44.60	97.60	4352.96	4030	4030	4200	22
RM12	0.388	56.60	140.00	7924.0		4150	4150	45
RM14	0.385	70.00	178.00	12460.0		4600	4600	74

Low Power Ferrite PQ Cores





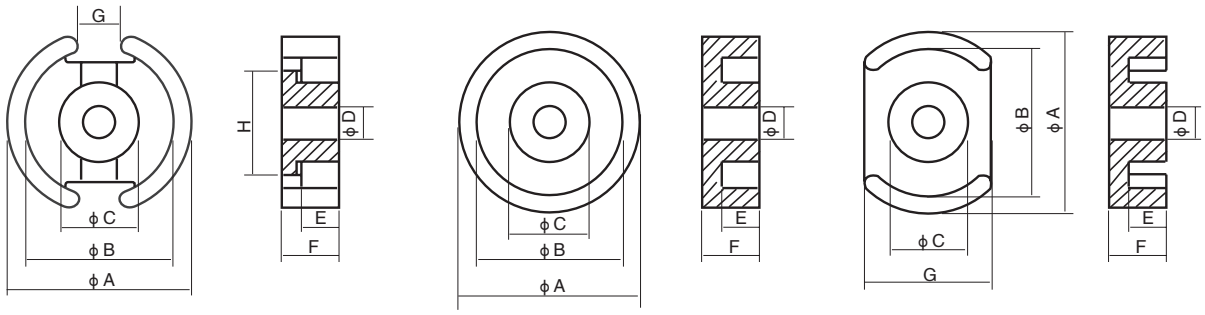
Dimensions(mm)

Type	A	ϕB	ϕC	D	E	F	G	H
PQ20/16	20.50±0.40	18.00±0.40	8.80±0.2	14.00±0.40	5.15±0.15	$8.20^{0}_{-0.20}$	13.00min	4.00min
PQ20/20	20.50±0.40	18.00±0.40	8.80±0.2	14.00±0.40	7.15±0.15	$10.20^{0}_{-0.20}$	13.00min	4.00min
PQ26/20	26.50±0.45	22.50±0.45	12.0±0.2	19.00±0.45	5.75±0.15	$10.20^{0}_{-0.25}$	15.50min	6.00min
PQ26/25	26.50±0.45	22.50±0.45	12.0±0.2	19.00±0.45	8.05±0.15	$12.50^{0}_{-0.25}$	15.50min	6.00min
PQ32/20	32.00±0.50	27.50±0.50	13.45±0.25	22.00±0.50	5.75±0.15	$10.40^{0}_{-0.25}$	19.00min	5.50min
PQ32/30	32.00±0.50	27.50±0.50	13.45±0.25	22.00±0.50	10.65±0.15	$15.30^{0}_{-0.25}$	19.00min	5.50min
PQ35/35	35.10±0.50	32.00±0.50	14.35±0.25	26.00±0.50	12.50±0.15	$17.50^{0}_{-0.25}$	23.50min	6.00min
PQ40/40	40.00±0.40	37.00±0.60	14.90±0.30	28.00±0.60	14.75±0.15	$20.00^{0}_{-0.25}$	27.50min	6.05min

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
PQ20/16	0.60	37.60	61.90	2327.44	3650	3350	3500	13
PQ20/20	0.73	45.70	62.60	2860.82	3150	2900	3050	15
PQ26/20	0.39	46.00	119.00	5474.0	5700	5250	5500	31
PQ26/25	0.47	55.30	120.00	6636.0	5000	4600	4800	36
PQ32/20	0.33	55.90	169.00	9447.10	6950	6400	6700	42
PQ32/30	0.46	74.70	161.00	12026.7	4950	4550	4750	55
PQ35/35	0.45	87.10	196.00	17071.6	4650	4300	4500	73
PQ40/40	0.51	102.00	201.00	20502.0	4450	4100	4300	95

Low Power Ferrite P Cores



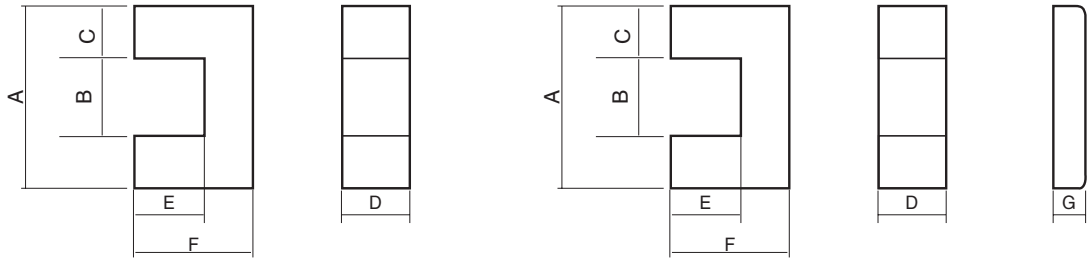
Dimensions(mm)

Type		ϕA	ϕB	ϕC	ϕD	E	F	G	H
P9/5	Ⅰ	9.15±0.15	7.65±0.15	3.80±0.10	2.10±0.10	$1.80^{+0.15}_{0}$	$2.70^{0}_{-0.15}$	2.00±0.20	6.50±0.25
P11/7	Ⅰ	11.10±0.20	9.20±0.20	4.60±0.10	2.10±0.10	$2.20^{+0.15}_{0}$	$3.15^{+0.15}_{0}$	2.20±0.30	6.80±0.25
P14/8	Ⅰ	14.0±0.30	11.80±0.20	5.9±0.10	3.10±0.10	2.9±0.10	4.18±0.075	$2.70^{+1.20}_{0}$	9.50±0.30
P14/8	Ⅱ	14.0±0.30	11.8±0.20	5.9±0.10	3.10±0.07	2.9±0.10	4.18±0.075		
P18/11	Ⅰ	18.0±0.38	15.1±0.25	7.45±0.15	3.10±0.10	3.7±0.10	5.30±0.05	3.80±0.60	13.40±0.30
P18/11	Ⅱ	18.0±0.38	15.1±0.25	7.45±0.15	3.10±0.10	3.7±0.10	5.30±0.05		
P22/13	Ⅰ	21.6±0.40	18.20±0.30	9.25±0.20	4.45±0.15	$4.60^{+0.20}_{0}$	6.70±0.10	3.80±0.60	15.00±0.40
P23/11	Ⅱ	22.9±0.45	18.2±0.25	9.7±0.20	5.08±0.10	3.78±0.15	5.54±0.125	15.2±0.25	
P23/11	Ⅲ	22.9±0.45	18.2±0.25	9.7±0.20	5.08±0.10	3.78±0.15	5.54±0.125	15.2±0.25	
P26/16	Ⅰ	25.50±0.50	21.50±0.30	11.30±0.20	5.50±0.15	5.60±0.15	8.00±0.10	3.80±0.60	18.00±0.40
P30/19	Ⅰ	30.0±0.50	25.40±0.40	13.3±0.20	5.50±0.15	6.60±0.20	$9.70^{0}_{-0.30}$	4.30±0.60	23.00max

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type		C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
						SP30	SP40	SP44	
P9/5	Ⅰ	1.24	12.5	10.1	126.25		1100		0.8
P11/7	Ⅰ	0.956	15.5	16.2	251.10		1550		1.8
P14/8	Ⅰ	0.789	19.8	25.1	496.98		2000		3.2
P14/8	Ⅱ	0.789	20.2	25.1	507.02		1930		3.2
P18/11	Ⅰ	0.597	25.8	43.3	1117.14		2850		6
P18/11	Ⅱ	0.597	26.2	43.3	1134.46		2900		6.3
P22/13	Ⅰ	0.497	31.8	63.2	2009.76		3550		12
P23/11	Ⅱ	0.497	31.5	63.4	1997.1		4200		12
P23/11	Ⅲ	0.497	28.6	61.0	1744.6		4150		10
P26/16	Ⅰ	0.4	37.6	93.9	3530.64		4600		20
P30/19	Ⅰ	0.33	45.2	137	6192.4		5750		34

Low Power Ferrite UU/UI Cores



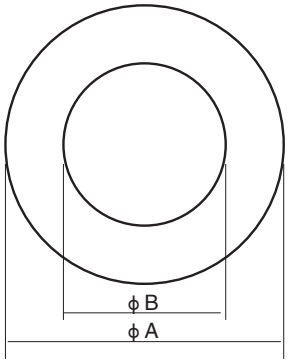
Dimensions(mm)

Type	A	B	C	D	E	F	G
UU9.8/14	9.80±0.20	4.30±0.20	2.80±0.10	2.75±0.15	4.25±0.15	7.10±0.15	
UU10/15	10.15±0.20	4.15min	2.90±0.10	2.90±0.15	4.35±0.15	7.4±0.20	
UU10.5/16	10.50±0.30	5.5±0.30	2.50±0.20	5.0±0.30	5.4±0.20	7.9±0.20	
UU16/20	16.0±0.30	6.85±0.20	4.57±0.20	6.0±0.15	6.0±0.20	10.0±0.20	
UI12.7	12.7±0.38	7.62±0.25	2.54±0.13	4.95±0.25	3.91±0.10	6.45±0.10	2.54±0.13
UI20	20.0±0.50	17.25±0.30	1.375±0.15	2.00±0.15	1.00±0.15	2.375±0.15	1.375±0.15

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SP30	SP40	SP44	
UU9.8/14	4.46	34.1	7.65	260.87	520	480	500	1.3
UU10/15	4.20	35.5	8.46	300.33	550	500	520	1.5
UU10.5/16	3.27	40.5	12.4	502.20	750	690	720	2.5
UU16/20	2.0	51.2	25.6	1310.72	1080	1000	1040	6.7
UI12.7	2.46	31.0	12.6	390.60	870	800	830	2.0
UI20	14.8	40.8	2.75	112.20	1230	1130	1180	0.55

Low Power Ferrite T Cores



(A_L Value Testing Condition:1kHz，0.25V，1Ts，25±3℃)

Type	Dimensions(mm)			C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			g/set
	ϕA	ϕB	C					SP30	SP40	SP44	
T4×2×2	4.00±0.20	2.00±0.20	2.00±0.20	4.55	8.74	1.90	16.61	690	630	970	0.04
T5×3×3	5.00±0.30	3.00±0.30	3.00±0.30	4.14	12.0	2.9	34.80	770	700	740	0.12
T6×3×2	6.00±0.30	3.00±0.30	2.00±0.20	4.55	13.1	2.88	37.73	690	640	670	0.14
T6×3×3	6.00±0.30	3.00±0.30	3.00±0.30	3.05	13.1	4.3	56.33	1040	960	1000	0.2
T9×5×3	9.00±0.30	5.00±0.30	3.00±0.30	3.59	20.8	5.8	120.64	880	810	850	0.9
T9×5×4	9.00±0.30	5.00±0.30	4.00±0.30	2.67	20.8	7.8	162.24	1180	1100	1130	0.8
T10×6×4	10.00±0.30	6.00±0.30	4.00±0.20	3.09	24.1	7.8	187.98	1020	940	980	0.9
T10×6×5	10.00±0.30	6.00±0.30	5.00±0.30	2.46	24.1	9.8	236.18	1280	1170	1230	1.2
T10×6×6	10.00±0.30	6.00±0.30	6.00±0.30	2.06	24.1	11.7	281.97	1530	1410	1470	1.4
T12×6×4	12.00±0.40	6.00±0.30	4.00±0.30	2.3	26.1	11.5	300.15	1400	1270	1330	1.6
T12.7×7.4×5	12.70±0.20	7.40±0.30	5.00±0.30	2.62	30.8	10.9	335.72	1160	1070	1120	1.7
T12.7×7.9×6.35	12.70±0.20	7.92±0.25	6.35±0.30	2.1	31.2	14.9	464.88	1500	1380	1440	2.3
T13×8×5	12.70±0.20	7.92±0.25	5.00±0.30	2.67	31.2	11.7	365.04	1180	1090	1130	1.8
T14×9×5	14.00±0.40	9.00±0.30	5.00±0.30	2.85	35.0	12.3	430.50	1100	1020	1060	2.1
T14×8×7	14.00±0.40	8.00±0.30	7.00±0.30	1.6	32.8	20.5	672.40	1960	1800	1880	3.4
T14×8×9	14.00±0.40	8.00±0.30	9.00±0.30	1.25	32.8	26.3	862.64	2520	2320	2420	4.4
T16×12×8	16.00±0.30	12.00±0.30	8.00±0.30	2.75	43.4	15.9	690.06	1150	1060	1100	3.3
T18×10×5	18.00±0.50	10.00±0.40	5.00±0.30	2.14	41.5	19.4	805.10	1470	1350	1410	4.2
T18×10×6	18.00±0.50	10.00±0.40	6.00±0.30	1.78	41.5	23.3	966.95	1760	1620	1690	5.0
T18×10×7	18.00±0.50	10.00±0.40	7.00±0.30	1.53	41.5	27.2	1128.8	2060	1890	1970	6.0
T18×10×10	18.00±0.50	10.00±0.40	10.00±0.30	1.07	41.5	38.9	1614.35	2940	2700	2820	8.4
T20×10×7	20.00±0.40	10.00±0.40	7.00±0.30	1.3	43.6	33.6	1464.96	2430	2230	2330	7.6
T20×10×10	20.00±0.40	10.00±0.30	10.00±0.30	0.91	43.6	48	2092.80	3460	3200	3330	11.0
T22×14×8	22.00±0.40	14.00±0.40	8.00±0.30	1.73	54.6	31.5	1719.90	1800	1660	1740	8.6
T22×14×10	22.00±0.40	14.00±0.30	10.00±0.30	1.39	54.6	39.3	2145.78	2260	2080	2170	10.8
T22×14×12.7	22.00±0.40	14.00±0.30	12.70±0.30	1.1	54.7	49.9	2729.53	2870	2640	2760	13.7
T25×15×8	25.00±0.40	15.00±0.40	8.00±0.30	1.54	60.2	39.1	2353.82	2040	1880	1960	12.0
T25×15×10	25.00±0.40	15.00±0.40	0.00±0.30	1.23	60.2	48.9	2943.78	2560	2350	2450	14.5
T25×15×12	25.00±0.40	15.00±0.40	2.00±0.40	1.03	60.2	58.7	3533.74	3060	2820	2940	17.5
T25×15×13	25.00±0.40	15.00±0.40	3.00±0.40	0.95	60.2	63.6	3828.72	3320	3050	3190	19.0
T25×15×15	25.00±0.40	15.00±0.40	15.00±0.40	0.82	60.2	73.4	4418.68	3830	3520	3680	22.0
T28×12×8	28.00±0.40	12.40±0.30	7.60±0.30	1.01	56.95	56.11	3195.46	3100	2850	2970	17.8
T31×19×8	31.00±0.50	19.00±0.50	8.00±0.40	1.60	75.5	47.1	3556.05	1960	1800	1880	17.8
T31×19×9	31.00±0.50	19.00±0.50	9.00±0.40	1.43	75.5	52.9	3993.95	2200	2030	2110	20.0
T31×19×10	31.00±0.50	19.00±0.50	10.00±0.40	1.28	75.5	58.8	4439.40	2450	2250	2350	22.3
T31×19×13	31.00±0.40	19.00±0.40	13.00±0.40	0.99	75.5	76.46	5772.73	3180	2930	3050	29.0
T32×11×8	32.00±0.40	10.60±0.30	7.60±0.30	0.75	55.0	73.5	4042.50	4200	3860	4030	25.8
T36×23×15	36.00±0.50	23.00±0.50	15.00±0.50	0.94	89.6	95.9	8592.64	3360	3090	3230	44.0
T38×19×13	38.00±0.60	19.00±0.60	12.70±0.30	0.72	83.0	116.0	9628.00	4400	4050	4230	52.0

注：可提供涂覆产品

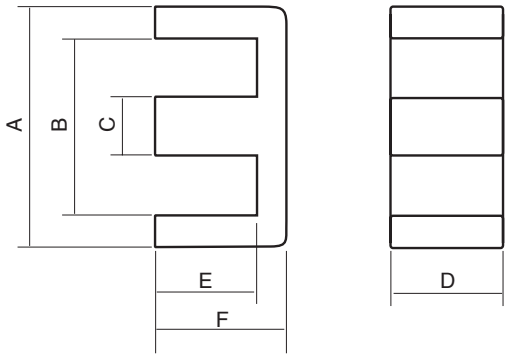
T8及T8以下的磁环可提供Parylene Coating，涂覆厚度为：0.05mm max

T9及T9以上的磁环可提供环氧涂覆，涂覆厚度为：0.6mm max

磁环高度可调整

Parylene or epoxy coated core are available
Toroid size T8 and Below:clear parylene coating, coating thickness:0.05mm max
Toroid size T9 and Above:grees epoxy coating, coating thickness:0.6mm max
The height of cores can be changed

High Permeability Ferrite EE Cores



Dimensions(mm)

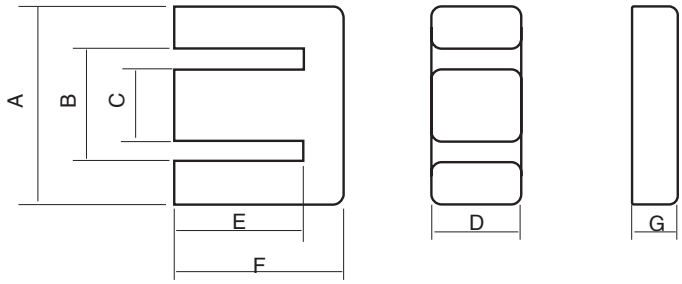
Type	A	B	C	D	E	F
EE05/05	5.25±0.10	3.80min	1.35±0.10	1.95±0.10	2.00±0.10	2.65±0.10
EE8.3/08	8.30±0.20	6.00min	1.85±0.15	3.60±0.20	3.00±0.10	4.00±0.10
EE10/11	10.20±0.20	7.70min	2.40±0.20	4.80±0.20	4.35±0.10	5.50±0.15
EE13/08	$12.70^{0}_{-0.35}$	10.3 min	3.18±0.10	6.45±0.15	2.85±0.13	4.00±0.13
EE13/12	13.00±0.30	10.20min	2.75±0.15	6.15±0.15	4.75±0.25	6.20±0.15
EE16/14	16.00±0.30	11.70min	3.90±0.15	4.80±0.20	5.35±0.10	7.40±0.15
EEL16/25	16.00±0.30	12.00±0.30	4.00±0.20	4.80±0.20	10.20±0.20	12.20±0.20
EF16/16	16.10±0.30	11.70±0.30	4.55±0.15	4.50±0.20	5.90±0.20	8.15±0.15
EE19/16	19.00±0.30	14.20min	4.85±0.25	4.85±0.25	5.70±0.20	8.20±0.20
EEL19/27	20.00±0.30	14.30min	4.85±0.25	4.85±0.25	11.30±0.30	13.55±0.25
EF20/20	20.00±0.40	14.50± 0.40	5.70±0.20	5.70±0.20	7.20±0.20	10.00±0.40
EE21/28	20.50±0.40	14.35±0.25	6.35±0.15	6.35±0.15	10.70±0.20	14±0.20
EE22/19	22.00±0.40	16.00±0.40	5.75±0.25	5.70±0.30	5.40±0.20	9.20±0.20
EE22/20	22.10±0.40	17.30min	4.00±0.30	5.00±0.25	7.6±0.20	10±0.20
EE25/20	25.50±0.40	19.30min	6.40±0.30	6.60±0.40	6.60±0.40	10.10±0.30
EF25/25	25.05±0.50	17.90±0.30	7.25±0.30	$7.50^{0}_{-0.50}$	$8.70^{+0.50}_{0}$	$12.80^{0}_{-0.50}$
EE30/30	$30.00^{+0.80}_{-0.60}$	20.00min	$7.20^{0}_{-0.50}$	$7.30^{0}_{-0.50}$	$9.70^{+0.50}_{0}$	15.00±0.20

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SH5	SH7	SH10*	
EE05/05	4.7	12.5	2.66	33.25		500	1200	0.2
EE8.3/8.3	2.4	19.2	7.0	134.40	740	1500	2240	0.92
EE10/11	2.33	26.6	11.4	303.24	1400	1630	2500	1.5
EE13/08	1.56	21.8	14.0	305.20	2000	2300	3650	1.6
EE13/12	1.89	30.3	16.0	484.80	1750	2000	3350	2.4
EE16/14	1.92	35.5	18.5	656.75	2100	2700	4300	3.2
EEL16/25	2.8	55.1	19.4	1068.94	1600	2000	3300	5.3
EF16/16	1.87	37.6	20.1	755.76	2200	3000	5050	3.9
EE19/16	1.68	39.2	23.3	913.36	2250	3000	5100	4.2
EEL19/27	2.44	61.0	25.0	1525	1820	2280	3500	7.2
EF20/20	1.43	46.1	32.2	1484.42	2800	3350	5000	7.5
EE21/28	1.52	60.7	39.9	2421.93	2700	3300	4800	12.0
EE22/19	1.16	42.0	36.3	1524.6	3650	4800	6500	8.0
EE22/20	2.35	50.8	21.6	1097.28	1800	2150	3000	5.5
EE25/20	1.23	49.8	40.4	2011.92	3400	4100	5700	10
EF25/25	1.12	57.8	52	3005.60	4000	4570	9280	15
EE30/30	1.09	65.4	60	3924.00	3700	5600	7000	22

注：*SH10 A_L：±30%
可提供镜面和带气隙产品，具体电性能参数可依据客户要求。
Cores gapped and with mirror lapping are available, Products' A_L Value is not indicated.

High Permeability Ferrite EI Cores



Dimensions(mm)

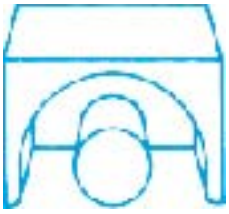
Type	A	B	C	D	E	F	G
EI13/09	12.50±0.30	9.40±0.30	2.50±0.20	5.00±0.20	5.10±0.20	7.50±0.30	1.50±0.15
EI16/14	16.00±0.30	11.80min	4.00 $^{0}_{-0.30}$	5.00 $^{0}_{-0.30}$	10.80±0.30	12.40±0.30	2.10±0.20
EI19/16	19.20±0.30	14.30 $^{+0.6}_{0}$	4.55±0.15	5.10 $^{0}_{-0.50}$	11.30±0.30	13.60±0.20	2.35±0.20
EI22/19	22.00±0.60	16.20min	5.70±0.30	5.70±0.30	11.00±0.20	15.40±0.30	4.00±0.20
EI25/19	25.40±0.40	18.70min	6.40±0.30	6.40±0.30	13.50±0.25	15.80±0.30	3.20±0.30
EI28/20	28.00±0.50	18.60min	7.20±0.30	10.70±0.30	12.50±0.30	17.00±0.30	3.50±0.20

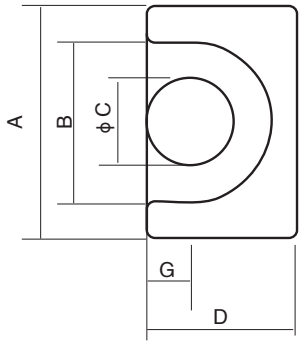
Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

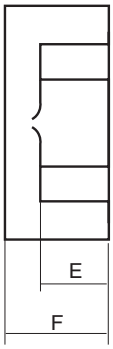
Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SH5	SH7	SH10*	
EI13/09	1.43	20.6	14.4	296.64	2200	3000	4050	1.9
EI16/14	1.91	35.9	18.8	674.92	2100	3250	4150	3.4
EI19/16	1.56	39.0	25.0	975.0	2400	3300	4350	4.9
EI22/19	1.15	42.5	37.0	1572.5	3500	4850	6250	8.4
EI25/19	1.2	48	40.4	1939.2	3200	4500	5750	10.0
EI28/20	0.58	48.9	85.0	4156.5	7000	9500	12000	22.0

注：*SH10 A_L：±30%
可提供镜面和带气隙产品，具体电性能参数可依据客户要求。
Cores gapped and with mirror lapping are available, Products' A_L Value is not indicated.

High Permeability Ferrite EP Cores







Dimensions(mm)

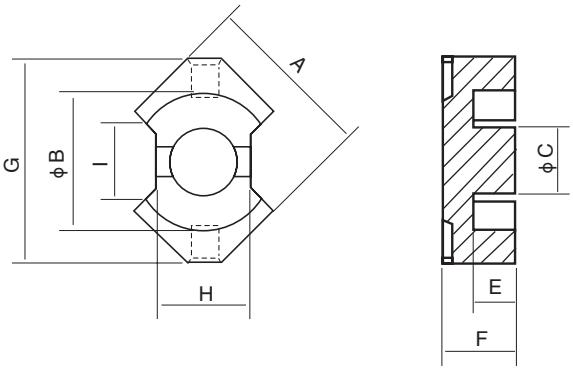
Type	A	B	ϕC	D	E	F	G
EP6	6.00±0.15	4.40±0.15	1.70±0.10	3.80±0.10	2.20±0.15	3.00±0.10	0.9±0.10
EP7	9.20±0.20	7.40±0.20	3.30±0.10	6.35±0.15	2.60±0.10	3.70±0.05	1.7±0.10
EP10	11.50±0.30	9.40±0.20	3.30±0.20	7.65±0.20	3.70±0.10	5.10±0.10	1.92±0.10
EP13	12.50±0.30	10.00±0.30	4.35±0.15	8.80±0.20	4.60±0.10	6.50±0.15	2.47±0.10
EP17	18.40±0.4	12.0±0.40	5.68±0.18	11.0±0.30	5.60±0.15	8.40±0.20	3.30±0.15
EP20	24.5±0.5	16.5±0.4	8.75±0.25	14.95±0.35	7.15±0.15	10.70±0.20	4.50±0.20

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SH5	SH7	SH10*	
EP6	3.4	10.1	2.97	30.00			1350	0.5
EP7	1.52	15.7	10.3	161.71		3640	5200	1.4
EP10	1.7	19.2	11.3	216.96		3360	4800	2.8
EP13	1.24	24.2	19.5	471.90		4900	7000	5.1
EP17	0.84	28.5	33.9	966.15		8850	12650	13
EP20	0.51	40	78	3120.0		19500	19350	28

注：*SH10 A_L：±30%
可提供镜面和带气隙产品，具体电性能参数可依据客户要求。
Cores gapped and with mirror lapping are available, Products' A_L Value is not indicated.

High Permeability Ferrite RM Cores



Dimensions(mm)

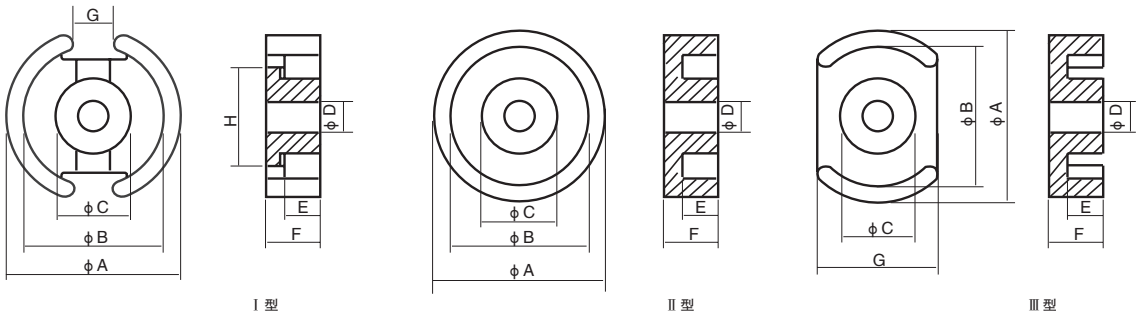
Type	A	φB	φC	E	F	G	H	I
RM4	9.60±0.20	8.15±0.15	3.80±0.10	3.60±0.10	5.20±0.10	11.60±0.20	$4.60^{0}_{-0.20}$	5.80min
RM5	12.05±0.25	10.4±0.20	4.80±0.10	3.25±0.1	5.25±0.15	14.65±0.25	$7.40^{0}_{-0.40}$	6.00min
RM6	14.40±0.30	12.65±0.25	6.30±0.10	$4.20^{+0.30}_{0}$	6.20±0.10	17.60±0.30	$8.20^{0}_{-0.40}$	8.40min
RM8	19.30±0.40	17.30±0.30	8.40±0.20	$5.50^{+0.40}_{0}$	8.20±0.10	$23.20^{+0}_{-0.80}$	$11.00^{0}_{-0.50}$	9.50min
RM10	24.15±0.55	21.65±0.45	10.70±0.20	6.35±0.20	9.30±0.10	27.85±0.65	$13.50^{0}_{-0.50}$	10.90min
RM12	29.2±0.60	25.50±0.50	12.60±0.20	$8.40^{+0.30}_{0}$	11.75±0.10	37.75±0.75	$16.10^{0}_{-0.50}$	12.90min
RM14	34.2±0.50	29.5±0.5	14.70±0.30	$10.40^{+0.30}_{0}$	15.05±0.10	41.60±0.60	$19.00^{0}_{-0.60}$	17.00min

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SH5	SH7	SH10*	
RM4	1.62	22.50	13.80	310.50				1.7
RM5	0.935	23.20	23.80	552.16	3600	5300	7000	3.2
RM6	0.784	29.20	37.00	1080.40	4500	6300	9000	5.5
RM8	0.604	38.40	64.00	2457.6	5920	8000	13000	12.5
RM10	0.462	44.60	97.60	4352.96	7830	11000	16800	22
RM12	0.388	56.60	140.00	7924.0				45
RM14	0.385	70.00	178.00	12460.0				74

注：*SH10 A_L：±30%
可提供镜面和带气隙产品，具体电性能参数可依据客户要求。
Cores gapped and with mirror lapping are available, Products' A_L Value is not indicated.

High Permeability Ferrite P Cores



Dimensions(mm)

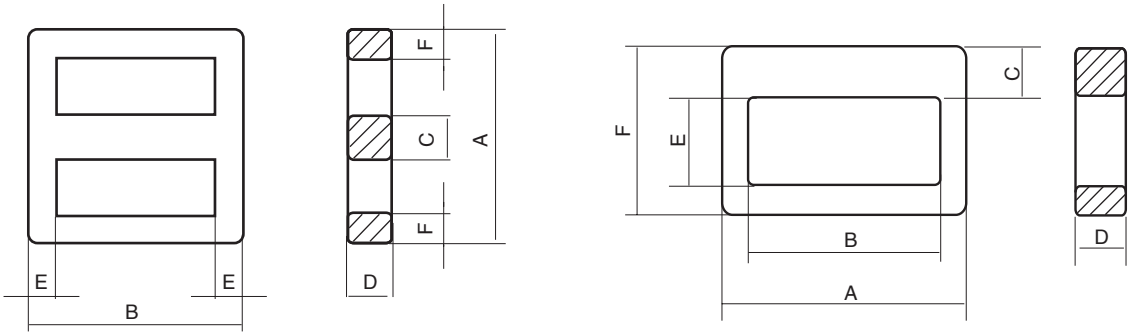
Type		ϕA	ϕB	ϕC	ϕD	E	F	G	H
P14/8	Ⅰ	14.0±0.30	11.80±0.20	5.9±0.10	3.10±0.10	2.9±0.10	4.18±0.075	$2.70^{+1.20}_{0}$	9.50±0.30
P14/8	Ⅱ	14.0±0.30	11.8±0.20	5.9±0.10	3.10±0.07	2.9±0.10	4.18±0.075		
P18/11	Ⅰ	18.0±0.38	15.1±0.25	7.45±0.15	3.10±0.10	3.70±0.10	5.30±0.15	3.80±0.60	13.40±0.30
P18/11	Ⅱ	18.0±0.38	15.1±0.25	7.45±0.15	3.10±0.10	3.7±0.10	5.25±0.06		
P22/13	Ⅰ	21.6±0.40	18.20±0.30	9.25±0.20	4.45±0.15	$4.60^{+0.20}_{0}$	6.70±0.10	3.80±0.60	15.00±0.40
P23/11	Ⅱ	22.9±0.45	18.2±0.25	9.7±0.20	5.08±0.10	3.78±0.15	5.54±0.125	15.2±0.25	
P23/11	Ⅲ	22.9±0.45	18.2±0.25	9.7±0.20	5.08±0.10	3.78±0.15	5.54±0.125	15.2±0.25	
P30/19	Ⅰ	30.0±0.50	25.40±0.40	13.3±0.20	5.5±0.15	$6.50^{+0.40}_{0}$	$9.70^{0}_{-0.30}$	3.50min	23.00max

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type		C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
						SH5	SH7	SH10*	
P14/8	Ⅰ	0.789	19.8	25.1	496.98	5400		6500	3.0
P14/8	Ⅱ	0.789	20.2	25.1	507.02	6100		7300	3.2
P18/11	Ⅰ	0.597	25.8	43.3	1117.14			13200	6
P18/11	Ⅱ	0.597	26.2	43.3	1134.46			9500	6
P22/13	Ⅰ	0.497	31.8	63.2	2009.76			18300	12
P23/11	Ⅱ	0.497	31.5	63.4	1997.10	11200		13800	10.5
P23/11	Ⅲ	0.497	28.6	61.0	1744.60	12600		13000	9.5
P30/19	Ⅰ	0.33	45.2	137	6192.40			19500	29.0

注：*SH10 A_L：±30%
可提供镜面和带气隙产品，具体电性能参数可依据客户要求。
Cores gapped and with mirror lapping are available, Products' A_L Value is not indicated.

High Permeability Ferrite ET/FT Cores



Dimensions(mm)

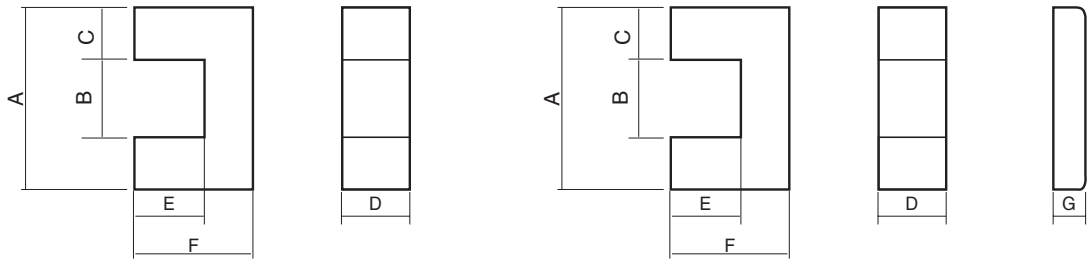
Type	A	B	C	D	E	F
ET20/20	20.10±0.40	20.10±0.40	4.00±0.20	4.40±0.20	2.00±0.15	2.00±0.15
ET24/24	24.20±0.50	24.20±0.50	4.00±0.20	4.00±0.30	2.40±0.15	2.40±0.15
ET28/28	28.45±0.55	28.45±0.55	5.00±0.20	5.00±0.30	2.90±0.15	2.90±0.15
ET29/30	29.0±0.40	30.0±0.40	5.00±0.25	5.00±0.30	3.00±0.20	3.00±0.20
ET35/35	35.30±0.60	35.30±0.60	7.50±0.30	7.50±0.30	4.00±0.20	4.00±0.20
FT20	20.60±0.30	15.70min	4.20±0.20	4.60±0.20	7.35min	14.10±0.25
FT21	21.50±0.30	15.40min	4.30±0.15	3.70±0.15	6.65min	14.90±0.25
FT30	30.00±0.30	22.20±0.50	4.00±0.20	6.00±0.30	14.20±0.50	22.20±0.30

Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SH5	SH7	SH10*	
ET20/20	2.96	52.1	17.6	916.96	2150	3000	4300	4.3
ET24/24	3.4	60.3	17.5	1055.25	1800	2500	3600	5.4
ET28/28	2.7	70	27	1890.0	2350	2350	4700	9.6
ET29/30	2.70	74.3	27.5	2043.25	2350	3250	4650	10.0
ET35/35	1.48	86.7	58.6	5080.62	4200	5950	8400	25.2
FT20	4.37	52.9	12.1	640.09	1200	1800	2700	3.8
FT21	4.37	55.1	12.6	694.26	1430	2000	2860	3.6
FT30	3.6	70.9	20	1418.0	900	2600	3500	8.78

注：*SH10 A_L：±30%

High Permeability Ferrite UU/UI Cores



Dimensions(mm)

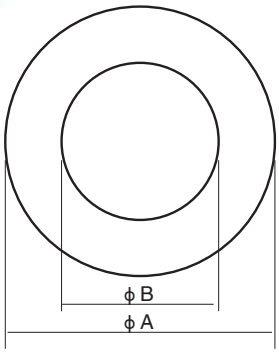
Type	A	B	C	D	E	F	G
UU9.8/14	9.80±0.20	4.30±0.20	2.80±0.10	2.75±0.15	4.25±0.15	7.10±0.15	
UU10/15	10.15±0.20	4.15min	2.90±0.10	2.90±0.15	4.35±0.15	7.4±0.20	
UU10.5/16	10.50±0.30	5.5±0.30	2.50±0.20	5.0±0.30	5.4±0.20	7.9±0.20	
UU16/20	16.0±0.30	6.85±0.20	4.57±0.20	6.0±0.15	6.0±0.20	10.0±0.20	
UI12.7	12.7±0.38	7.62±0.25	2.54±0.13	4.95±0.25	3.91±0.10	6.45±0.10	2.54±0.13

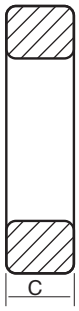
Effective parameter (A_L Value Testing Condition:1kHz, 0.25V, 100Ts, 25±3℃)

Type	C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			Weight g/set
					SH5	SH7	SH10*	
UU9.8/14	4.46	34.1	7.65	260.87	930	1300	1600	1.3
UU10/15	4.20	35.5	8.46	300.33	1010	1400	1800	1.5
UU10.5/16	3.27	40.5	12.4	502.20	1220	1650	2400	2.5
UU16/20	2.0	51.2	25.6	1310.72	2160	2800	3600	6.7
UI12.7	2.46	31.0	12.6	390.60	1650			2.0

注：*SH10 A_L：±30%
可提供镜面产品，具体电性能参数可依据客户要求。
Cores with mirror lapping are available, Products' A_L Value is not indicated.

High Permeability Ferrite T Cores





(A_L Value Testing Condition:1kHz，0.25V，1Ts，25±3℃)

Type	Dimensions(mm)			C1(mm^{-1})	Le(mm)	Ae(mm^2)	Ve(mm^3)	A_L(nH/N^2) ±25%			g/set
	ϕA	ϕB	C					SH5	SH7	SH10*	
T4×2×2	4.00±0.20	2.00±0.20	2.00±0.20	4.55	8.74	1.90	16.61	1390	1940	2770	0.04
T5×3×3	5.00±0.30	3.00±0.30	3.00±0.30	4.14	12.0	2.9	34.80	2150	3060	3680	0.12
T6×3×2	6.00±0.30	3.00±0.30	2.00±0.20	4.55	13.1	2.88	37.73	1940	2770	3330	0.14
T6×3×3	6.00±0.30	3.00±0.30	3.00±0.30	3.05	13.1	4.3	56.33	2910	4160	4990	0.2
T9×5×3	9.00±0.30	5.00±0.30	3.00±0.30	3.59	20.8	5.8	120.64	1760	2470	3530	0.9
T9×5×4	9.00±0.30	5.00±0.30	4.00±0.30	2.67	20.8	7.8	162.24	2350	3290	4700	0.8
T10×6×4	10.00±0.30	6.00±0.30	4.00±0.20	3.09	24.1	7.8	187.98	2640	2860	4090	0.9
T10×6×5	10.00±0.30	6.00±0.30	5.00±0.30	2.46	24.1	9.8	236.18	2550	3580	5100	1.2
T10×6×6	10.00±0.30	6.00±0.30	6.00±0.30	2.06	24.1	11.7	281.97	3060	4290	6130	1.4
T12×6×4	12.00±0.40	6.00±0.30	4.00±0.30	2.3	26.1	11.5	300.15	2770	3880	5540	1.6
T12.7×7.4×5	12.70±0.20	7.40±0.30	5.00±0.30	2.62	30.8	10.9	335.72	2360	3300	4720	1.7
T12.7×7.9×6.35	12.70±0.20	7.92±0.25	6.35±0.30	2.1	31.2	14.9	464.88	3000	4200	6000	2.3
T13×8×5	12.70±0.20	7.92±0.25	5.00±0.30	2.67	31.2	11.7	365.04	2360	3310	4730	1.8
T14×9×5	14.00±0.40	9.00±0.30	5.00±0.30	2.85	35.0	12.3	430.50	2200	3090	4420	2.1
T14×8×7	14.00±0.40	8.00±0.30	7.00±0.30	1.6	32.8	20.5	672.40	3920	5480	7830	3.4
T14×8×9	14.00±0.40	8.00±0.30	9.00±0.30	1.25	32.8	26.3	862.64	5040	7050	10070	4.4
T16×12×8	16.00±0.30	12.00±0.30	8.00±0.30	2.75	43.4	15.9	690.06	2300	3220	4600	3.3
T18×10×5	18.00±0.50	10.00±0.40	5.00±0.30	2.14	41.5	19.4	805.10	2940	4120	5880	4.2
T18×10×6	18.00±0.50	10.00±0.40	6.00±0.30	1.78	41.5	23.3	966.95	3530	4940	7050	5.0
T18×10×7	18.00±0.50	10.00±0.40	7.00±0.30	1.53	41.5	27.2	1128.8	4110	5760	8230	6.0
T18×10×10	18.00±0.50	10.00±0.40	10.00±0.30	1.07	41.5	38.9	1614.35	5880	8230	11800	8.4
T20×10×7	20.00±0.40	10.00±0.40	7.00±0.30	1.3	43.6	33.6	1464.96	4850	6790	9700	7.6
T20×10×10	20.00±0.40	10.00±0.30	10.00±0.30	0.91	43.6	48	2092.80	6930	9700	13860	11.0
T22×14×8	22.00±0.40	14.00±0.40	8.00±0.30	1.73	54.6	31.5	1719.9	3620	5060	7230	8.6
T22×14×10	22.00±0.40	14.00±0.30	10.00±0.30	1.39	54.6	39.3	2145.78	4520	6330	9040	10.8
T22×14×12.7	22.00±0.40	14.00±0.30	12.70±0.30	1.1	54.7	49.9	2729.53	5740	8040	11480	13.7
T25×15×8	25.00±0.40	15.00±0.40	8.00±0.30	1.54	60.2	39.1	2353.82	4080	5720	8170	12.0
T25×15×10	25.00±0.40	15.00±0.40	0.00±0.30	1.23	60.2	48.9	2943.78	5110	7150	10220	14.5
T25×15×12	25.00±0.40	15.00±0.40	2.00±0.40	1.03	60.2	58.7	3533.74	6130	8580	12260	17.5
T25×15×13	25.00±0.40	15.00±0.40	3.00±0.40	0.95	60.2	63.6	3828.72	6640	9300	13280	19.0
T25×15×15	25.00±0.40	15.00±0.40	15.00±0.40	0.82	60.2	73.4	4418.68	7660	10730	15320	22.0
T28×12×8	28.00±0.40	12.40±0.30	7.60±0.30	1.01	56.95	56.11	3195.46	6190	8670	12380	17.8
T31×19×8	31.00±0.50	19.00±0.50	8.00±0.40	1.60	75.5	47.1	3556.05	3920	5480	7830	17.8
T31×19×9	31.00±0.50	19.00±0.50	9.00±0.40	1.43	75.5	52.9	3993.95	4400	6170	8810	20.0
T31×19×10	31.00±0.50	19.00±0.50	10.00±0.40	1.28	75.5	58.8	4439.40	4900	6850	9790	22.3
T31×19×13	31.00±0.40	19.00±0.40	13.00±0.40	0.99	75.5	76.46	5772.73	6360	8910	12730	29.0
T32×11×8	32.00±0.40	10.60±0.30	7.60±0.30	0.75	55.0	73.5	4042.50	8400	11750	16790	25.8
T36×23×15	36.00±0.50	23.00±0.50	15.00±0.50	0.94	89.6	95.9	8592.64	6720	9400	13440	44.0
T38×19×13	38.00±0.60	19.00±0.60	12.70±0.30	0.72	83.0	116.0	9628.0	8800	12320	17600	52.0

注：可提供涂覆产品
T8及T8以下的磁环可提供Parylene Coating，涂覆厚度为：0.05mm max
T9及T9以上的磁环可提供环氧涂覆，涂覆厚度为：0.6mm max
磁环高度可调整
*SH10 A_L：±30%

Parylene or epoxy coated core are available
Toroid size T8 and Below:clear parylene coating, coating thickness:0.05mm max
Toroid size T9 and Above:grees epoxy coating, coating thickness:0.6mm max
The height of cores can be changed

PROTECTING OUR ENVIRONMENT

CONTRIBUTING TO MANKIND AND OUR EARTH

保護環境　　貢獻于人類和地球

神奇磁業有限公司從產品的開發，原材料的選用、加工、制　、運輸、使用、廢弃到再生利用的全過程，都考慮了環境的保護。

From development, materials selection, producing ,logistics,using,abandonment to recycling,SESM pay more attention to environment protection.

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