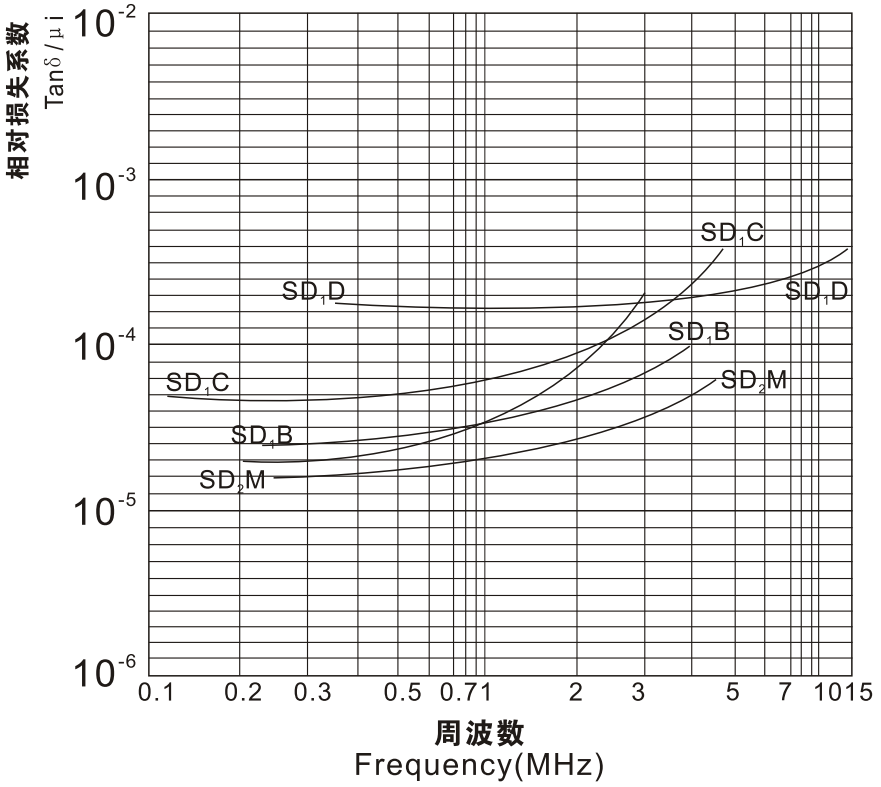
MATERIAL PROPERTY

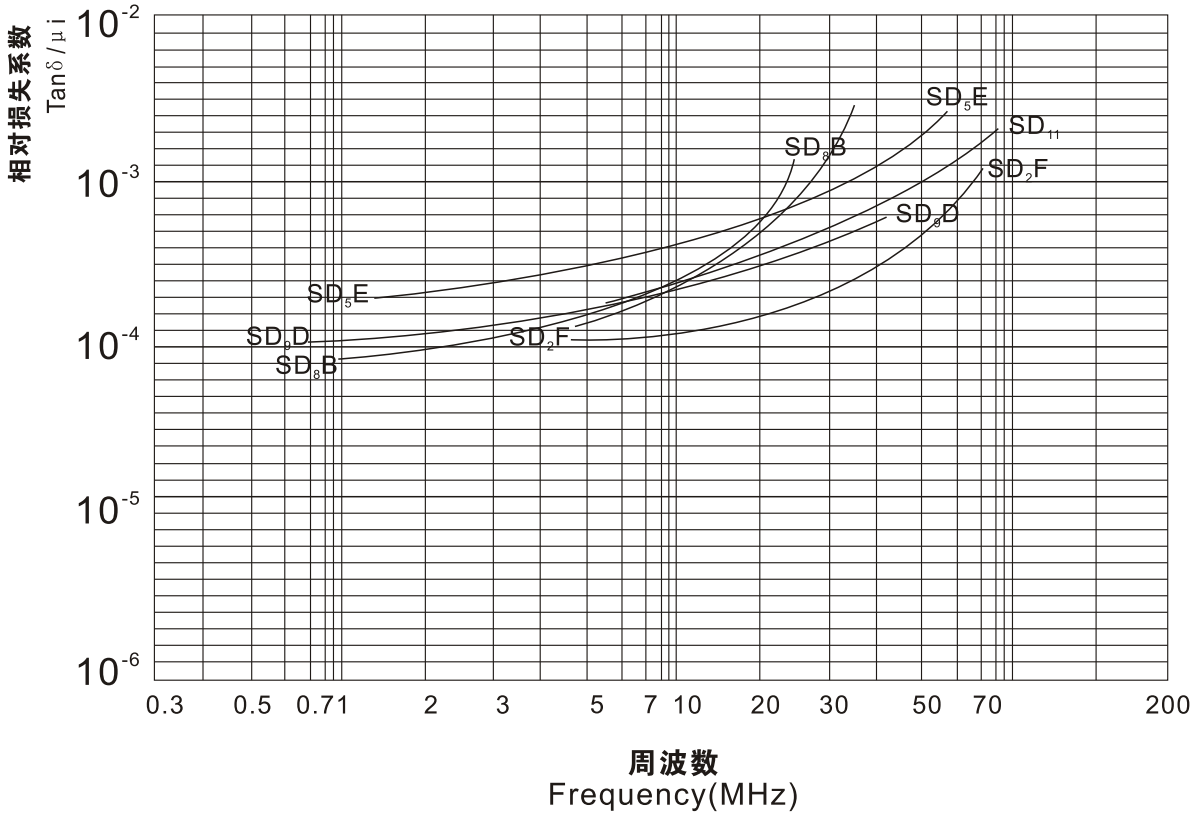
	Initial permeability	Operating Frequency	Saturated magnetic induction		Curie temperature	Specific temperature coefficient	Specific loss factor	Density
MATERIAL	μiac ±25%	WORKING FREQUENCY	Bs	Hc	Tc	α μ γ	Tan δ / μiac	d
		MHz	GAUSS	Oe	℃	$*10^{-6/℃}$	$x10^{-6}$ (MHz)	g/cm^3
SD5E	15	10-120	3000	15.00	>300	110	<1000 (120MHz)	5.0
SD9	50	0.5-30	3400	5.50	>300	60	<280 (30MHz)	5.0
SD1A	100	0.4-20	3200	3.6	>200	40	<180 (20MHz)	4.8
SD1C	250	0.1-2.0	2800	1.25	>170	14	<110 (2.0MHz）	4.8
SD3A	350	0.1-2.0	2800	0.7	>150	8	<110 (2.0MHz)	4.8
SD3B	300	0.1-2.0	3200	0.7	>160	25	<65 (2.0MHz)	4.9
SD3D	350	0.1-2.0	3000	0.8	>200	25	<80 (2.0MHz)	4.9
SD3M	350	0.1-2.0	3000	0.8	>180	15	<80 (2.0MHz)	4.8
SD4A	400	0.1-1.5	2600	0.6	>150	7	<40 (1.5MHz)	4.8
SD4B	400	0.1-1.5	3800	0.85	>180	7	<80 (1.5MHz)	5.0
SD5A	500	0.1-1.5	2800	0.65	>150	5	<40 (1.5MHz)	4.8
SD6A	650	0.01-1.0	2700	0.65	>130	2.5	<20 (0.1MHz)	4.8
SD8A	850	0.01-0.7	2800	0.35	>130	3	<60 (0.7MHz)	4.8
SD8B	800	0.01-1.0	3000	0.65	>150	2.5	<20 (0.1MHz)	4.9
SD10A	1000	0.01-0.7	2500	0.3	>110	3	<100 (0.6MHz)	4.8
SD10B	1000	0.01-0.7	2800	0.3	>120	3	<100 (0.6MHz)	4.9
SD12	1200	0.01-0.5	2600	0.5	>110	3	<100 (0.5MHz)	4.8
SD15	1500	0.01-0.5	2600	0.4	>100	3	<120 (0.5MHz)	4.8
SDM15	1000	0.01-0.7	2600	0.7	>120	2.5	<100 (0.6MHz)	4.7
SD2K	2000	0.005-0.1	2800	0.2	>100	1.5	<40 (0.1MHz)	4.9
F301H	300	0.1-1.5	3900	1.0	210	15	<15 (0.1MHz)	5.0
N401H	400	0.1-1.5	4300	0.8	230	15	<16 (0.1MHz)	5.0
N651H	650	0.01-1.0	3800	0.6	200	15	<15 (0.1MHz)	5.0
N801S	800	0.01-0.7	3900	0.4	200	10	<15 (0.1MHz)	5.2

材料特性表

PROPERTY UNIT MATERIAL	μiac ±25%	WORKING FREQUENCY MHz	Bms GAUSS	Brms GAUSS	Hcms Oe	Tc °C	αμγ ×10-60C	Tanσ/μiac ×10-6	d g/cm3
SD8B	50	0.5-20	3200	1800	2.50	>300	9	<140（0.5MHz）<400（20MHz）	4.7
SD9	50	0.5-30	3400	1900	5.50	>300	60	<90（0.5MHz）<280（30MHz）	4.8
SD9D	60	1.0-50	3700	2300	4.00	>300	80	<150（1.0MHz）<500（50MHz）	4.8
SD11	20	3.0-80	2900	1800	10.00	>300	80	<220（3.0MHz）<500（80MHz）	4.6
SD5E	15	10-120	3000	1600	15.00	>300	110	<500（10MHz）<1000（120MHz）	4.6
SD1A	125	0.4-20	3400	1900	3.6	>300	40	<25（0.4MHz）<180（20MHz）	4.7
SD1B	500	0.1-2.0	2800	1200	0.50	>120	15	<15（0.1MHz）<100（2.0MHz）	4.8
SD1C	250	0.1-2.0	3000	1500	1.25	>130	14	<35（0.1MHz）<110（2.0MHz）	5.0
SD1D	100	0.3-15	3800	1500	3.3	>300	20	<400（0.3MHz）<850（15MHz）	4.8
SD2M	300	0.1-2.0	2500	1300	0.8	>150	8	<20（0.1MHz）<110（2.0MHz）	4.7
DGB	350	0.1-2.0	3300	1400	0.7	>150	25	<15（0.1MHz）<80（2.0MHz）	4.9
SD3B	300	0.1-2.0	3000	1300	0.7	>150	25	<20（0.1MHz）<65（2.0MHz）	4.9
SD5B	700	0.01-0.7	2700	1000	0.35	>120	3	<15（0.01MHz）<60（0.7MHz）	4.9
SD1	300	0.1-2.0	2500	1300	0.8	>150	8	<20（0.1MHz）<100（2.0MHz）	4.7
SD2	50	0.5-20	3200	1800	2.50	>300	9	<140（0.5MHz）<200（20MHz）	4.7
SD3	100	0.5-10	2800	1700	2.00	>250	45	<25（0.5MHz）<180（10MHz）	4.7
SD4	400	0.1-1.5	3300	1200	0.85	>150	7	<20（0.1MHz）<80（1.5MHz）	4.9
SD5	750	0.1-1.5	3100	1100	0.5	>150	3	<15（0.1MHz）<280（1.5MHz）	4.9
SD6	1200	0.01-0.5	2700	1100	0.2	>100	4	<10（0.01MHz）<60（0.5MHz）	4.7
SD8	200	0.3-7.0	3300	1700	0.6	>250	40	<160（0.3MHz）<350（7.0MHz）	5.0
SD1F	17	10-80	2700	1700	19	>300	70	<400（10MHz）<900（80MHz）	4.7
SD2F	30	3-70	3100	1700	8.0	>300	70	<80（3MHz）<400（70MHz）	4.8

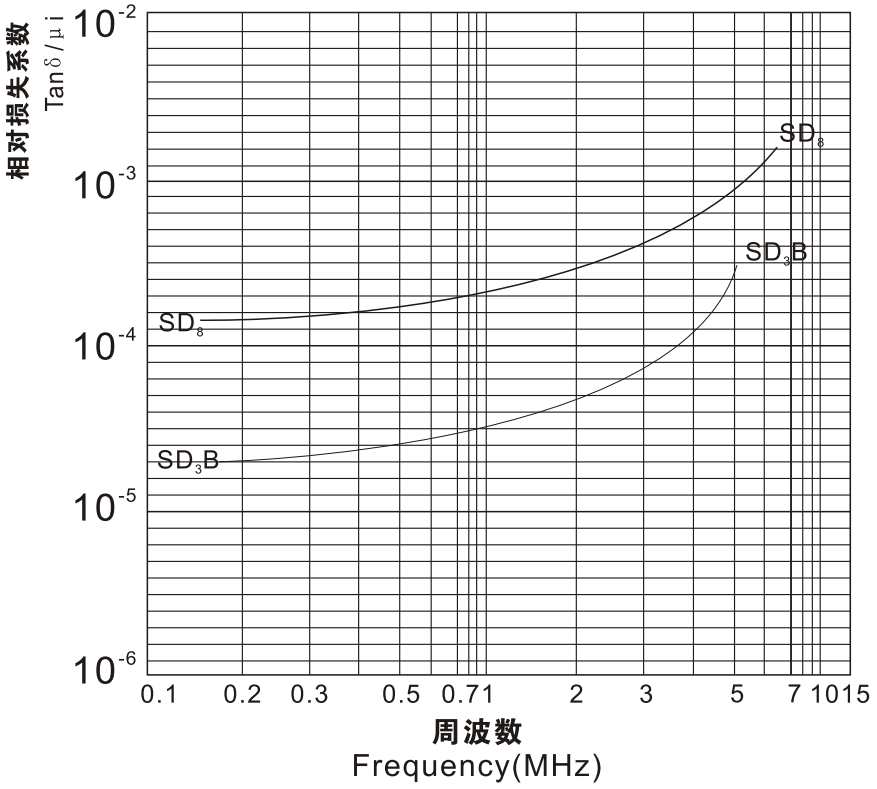
相对损失系数——周波数曲线图
RELATIVE LOSS FACTOR VS FREQUENCY

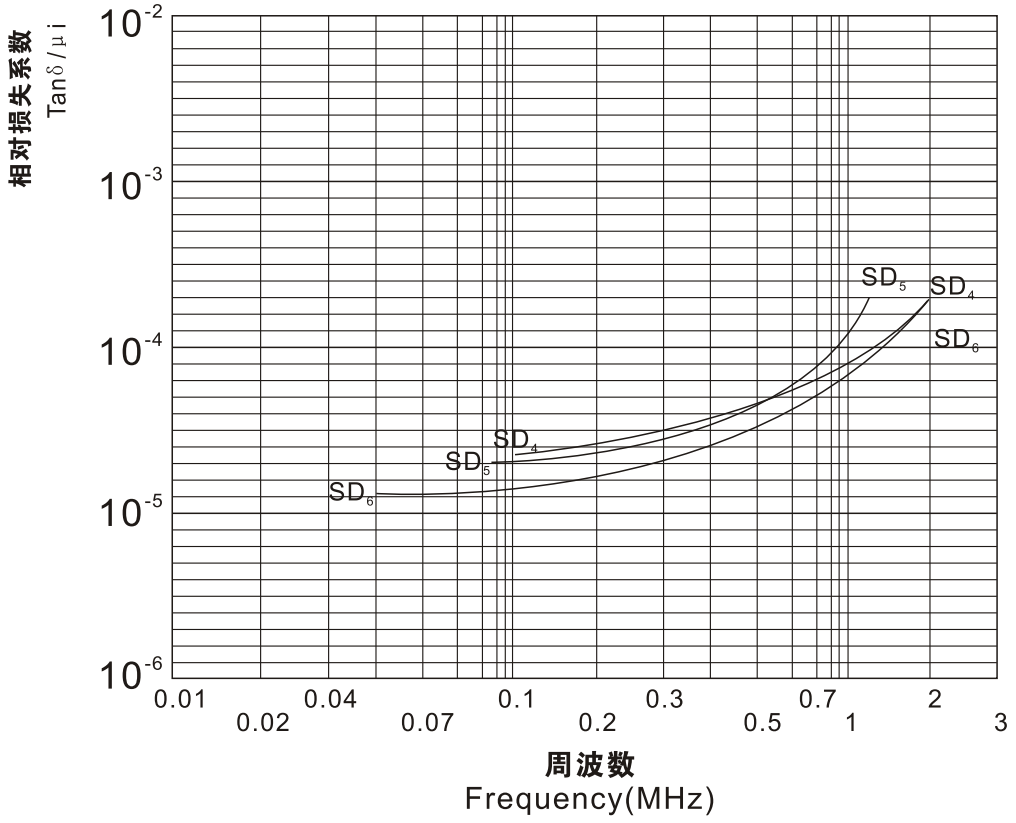




相对损失系数——周波数曲线图

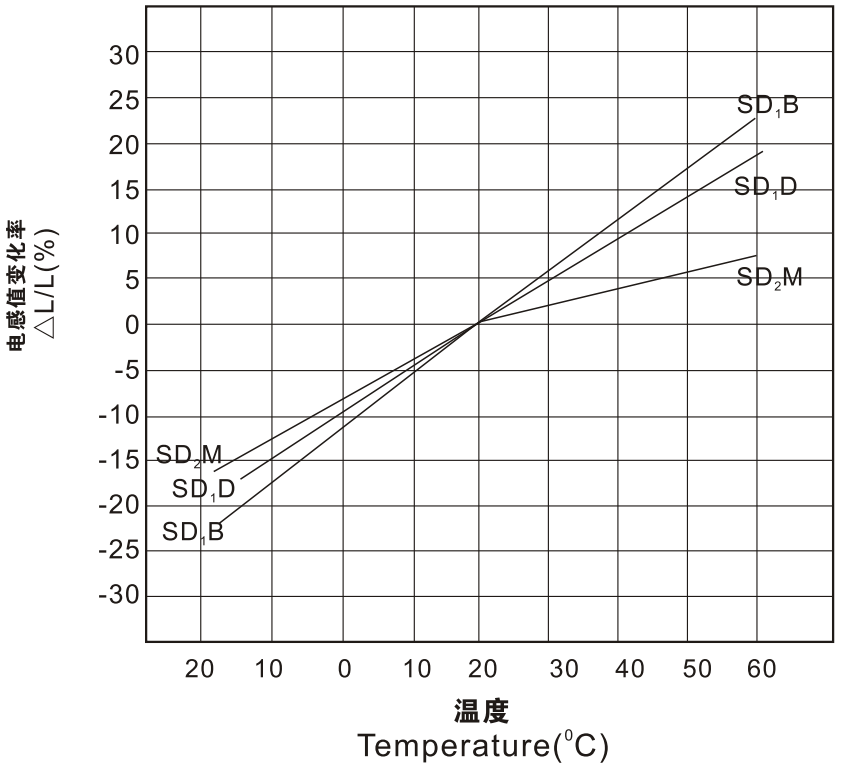
RELATIVE LOSS FACTOR VS FREQUENCY

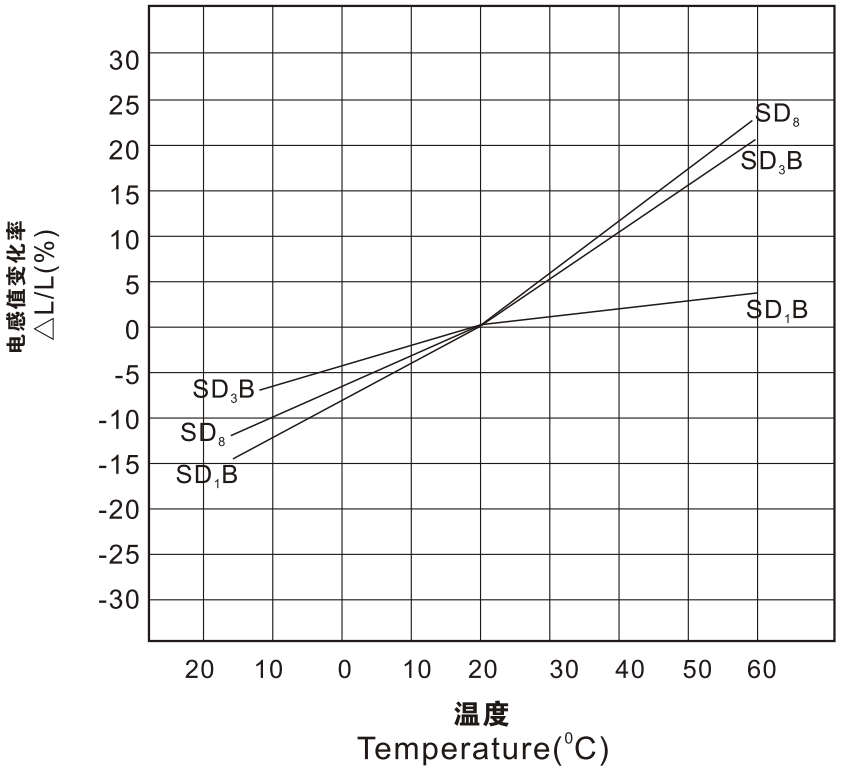




电感值变化率——温度曲线图

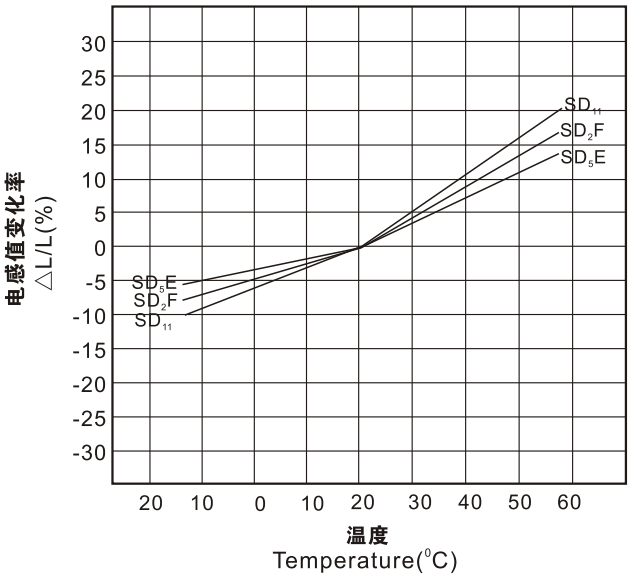
INDUCTANCE CHANGE VS TEMPERATURE

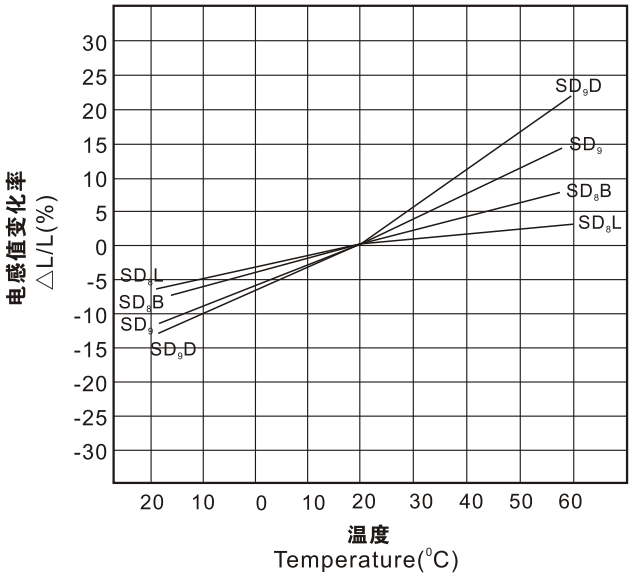


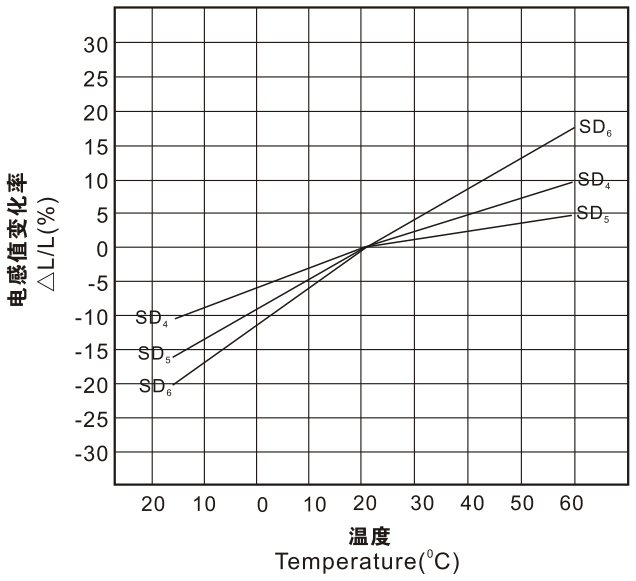


电感值变化率——温度曲线图

INDUCTANCE CHANGE VS TEMPERATURE







DR 型磁芯 (Drum Type Cores)

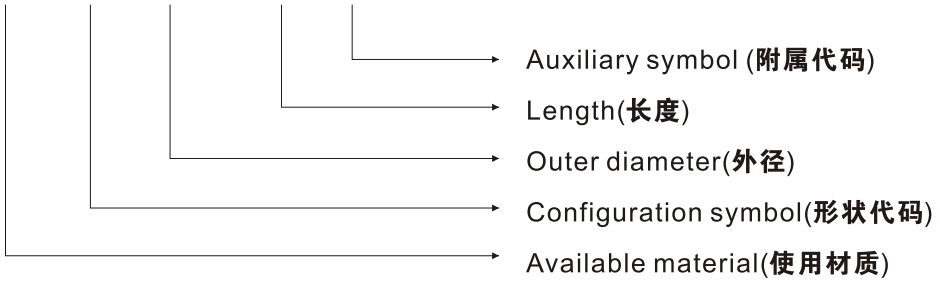
用途：IFT.发振线圈，各种滤波器，延迟线圈，电感器。

APPLICATIONS：IFT.OSCILLATE COIL，VARIOUS FILTER,DELAYLINE，INDUCTOR.

ORDERING CODE:

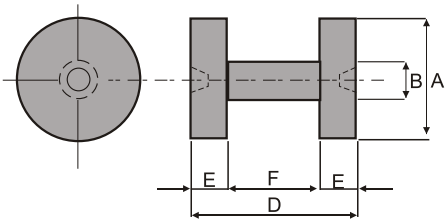
Example:

SD9 DR 2.3 × 4 d-29

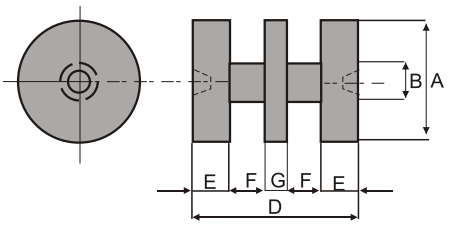


CONFIGURATIONS:

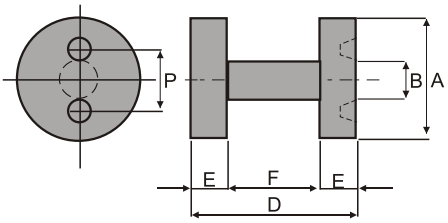
d - 29



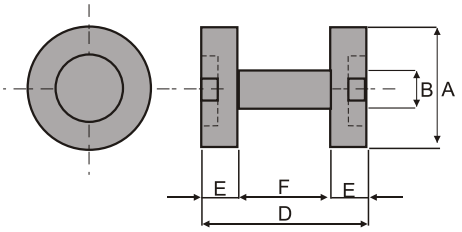
d - 30



d - 31



R



UNIT：mm

品名 TIEM	A	B	D	E	F
DR3.5×3.5R	3.5±0.15	1.5±0.15	3.5±0.2	1.30	0.9±0.15
DR3.8×3.8R	3.8±0.15	1.9±0.15	3.8±0.2	1.15	1.5±0.15
DR4×3R	4.0±0.15	1.9±0.15	3.0±0.2	1.05	0.9±0.15
DR4×4R	4.0±0.15	2.0±0.15	4.0±0.2	1.10	1.8±0.15
DR4×5.5R	4.0±0.15	2.0±0.15	5.5±0.2	1.75	2.0±0.15
DR6×6R	6.0±0.15	2.5±0.15	6.0±0.2	1.90	2.2±0.15

DR

UNIT:mm

品名 TIEM	A	B	D	E	F	P
DR1.8×2^{d-29}	1.8±0.1	1.4±0.10	2.0±0.15	0.5	1.0±0.10	
DR2×1.8^{d-29}	2.0±0.1	1.5±0.10	1.8±0.15	0.5	0.8±0.10	
DR2×2^{d-29}	2.0±0.1	1.5±0.15	2.0±0.15	0.5	1.0±0.15	
DR2.2×2.7^{d-29}	2.2±0.1	1.2±0.15	2.7±0.15	0.6	1.5±0.15	
DR2.3×3.4^{d-29}	2.3±0.1	1.4±0.15	3.4±0.15	0.85	1.7±0.15	
DR2.3×4^{d-29}	2.3±0.1	1.5±0.15	4.0±0.15	1.1	1.8±0.15	
DR3×5.5^{d-29}	3.0±0.15	1.9±0.15	5.5±0.15	1.3	2.9±0.15	
DR3×6^{d-29}	3.0±0.15	2.0±0.15	6.0±0.15	1.5	3.0±0.15	
DR3×8^{d-29}	3.0±0.15	2.0±0.15	8.0±0.2	1.5	5.0±0.15	
DR4×6^{d-29}	4.0±0.15	2.0±0.15	6.0±0.2	1.5	3.0±0.15	
DR4×8^{d-29}	4.0±0.15	2.4±0.15	8.0±0.3	1.0	6.0±0.15	
DR4.5×7^{d-29}	4.5±0.15	1.9±0.15	7.0±0.3	2.5	2.0±0.15	
DR5×8^{d-29}	5.0±0.15	2.5±0.15	8.0±0.3	1.9	4.2±0.15	
DR5×12.7^{d-29}	5.0±0.15	3.0±0.15	12.7±0.4	2.35	8.0±0.15	
DR6×8^{d-29}	6.0±0.15	2.5±0.15	8.0±0.3	1.9	4.2±0.15	
DR8×15^{d-29}	8.0±0.15	4.0±0.15	15.0±0.3	3.0	9.0±0.20	
DR9×12^{d-29}	9.0±0.2	5.0±0.15	12.0±0.3	2.75	6.5±0.15	
DR10×19^{d-29}	10.0±0.2	5.1±0.15	19.0±0.5	2.5	14±0.25	
DR12×24^{d-29}	12.0±0.2	5.5±0.15	24.0±0.5	3.0	18±0.25	
DR13×11^{d-29}	13.0±0.2	6.0±0.15	11.0±0.5	2.5	6.0±0.15	

UNIT:mm

品名 TIEM	A	B	D	E	F	P
DR3×4^{d-31}	3.0±0.15	1.9±0.15	4.0±0.2	1.1	1.8±0.15	1.3±0.2
DR4×5.5^{d-31}	4.0±0.15	1.9±0.15	5.5±0.3	1.8	2.0±0.15	2.0±0.2
DR4×6^{d-31}	4.0±0.15	1.9±0.15	6.0±0.3	1.5	3.0±0.15	20.±0.2
DR6×8^{d-31}	6.0±0.15	2.5±0.15	8.0±0.3	1.9	4.2±0.15	3.0±0.2
DR6×8.3^{d-31}	6.0±0.15	3.0±0.15	8.3±0.3	2.05	4.2±0.15	3.0±0.2
DR6.5×7.5^{d-31}	6.5±0.15	3.1±0.15	7.5±0.3	1.75	4.0±0.2	3.2±0.2
DR7×6^{d-31}	7.0±0.15	3.5±8.1	6.0 $^{+0}_{-0.15}$	1.75	2.5±0.1	4.9±0.2
DR7.5×9^{d-31}	7.5±0.2	3.5±0.15	9.0±0.2	2.0	5.0±0.15	4.5±0.2
DR8×9^{d-31}	8.0±0.2	4.0±0.15	9.0±0.2	2.0	5.0±0.15	4.85±0.2
DR8×10^{d-31}	8.0±0.2	4.5±0.15	10.0±0.3	2.5	5.0±0.15	4.85±0.2
DR9×12^{d-31}	9.0±0.2	5.0±0.15	12.0±0.3	2.5	7.1±0.2	5.6±0.2
DR10×12^{d-31}	10.0±0.2	3.7±0.15	12.0±0.4	2.75	6.5±0.3	5.0±0.2
DR12×15^{d-31}	12.0±0.2	4.0±0.15	15.0±0.4	3	9.0±0.3	6.0±0.2
DR14×15^{d-31}	14.0±0.15	5.0±0.15	15.0±0.3	3	9.0±0.3	7.5±0.3
DR14×19^{d-31}	14.0±0.2	8.0±0.15	19.0±0.4	2.5	14.0±0.2	7.5±0.3
DR16×18^{d-31}	16.0±0.15	9.5±0.15	18.0±0.3	2.5	13.0±0.3	7.5±0.3

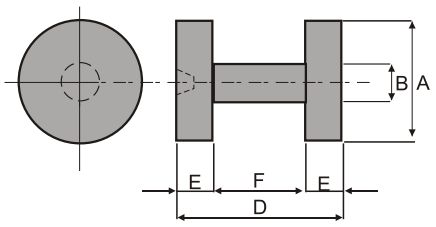
＊上述未列之规格，可根据用户特殊要求设计制作。

＊“B”、“D”、“F”尺寸可根据要求合理调整。

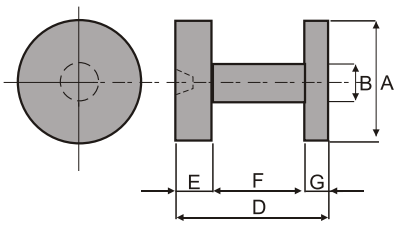
DR 型磁芯 (Drum Type Cores)

CONFIGURATIONS:

STANDARD TYPE(标准型)

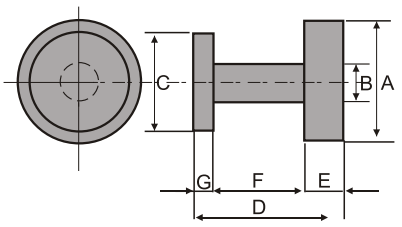


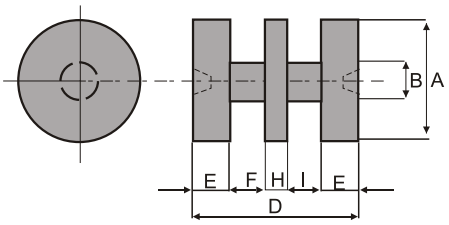
D1



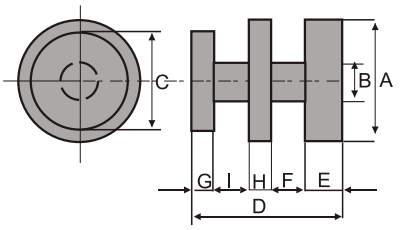
D2、D3

D2：G=E
D3：G＜E





D13



UNIT:mm

品名 ITEM	A	D	B	E	F	G	C
DR4×4.5	$4.0^{+0}_{-0.2}$	4.5±0.2	2.0±0.15	(1.1)	2.3±0.15		
DR4×4.5D1	$4.0^{+0.05}_{-0.15}$	4.5±0.2	1.8±0.15	(1.5)	$2.3^{+0.25}_{-0.05}$	0.7±0.15	
DR4×4.5D3	$4.0^{+0.05}_{-0.15}$	4.5±0.2	2.0±0.15	(1.5)	$2.3^{+0.2}_{-0.1}$	0.7±0.15	3.4±0.15
DR4×4.5D13	$4.0^{+0.05}_{-0.20}$	4.5±0.2	2.0±0.15	(1.3)	0.5±0.1	$1.5^{+0.2}_{-0.1}$	3.5±0.15
DR4×4.5D28	4.0±0.1	4.5±0.2	2.0±0.15	(1.1)	0.9±0.1		
DR4×4D1	$4.0^{+0}_{-0.2}$	4.0±0.2	2.0±0.15	(1.3)	$2.0^{+0.15}_{-0.05}$	0.7±0.15	
DR4×4D3	$4.0^{+0}_{-0.2}$	4.0±0.2	2.2±0.15	(1.3)	2.0±0.1	0.7±0.15	3.4±0.15
DR4×4D13	$4.0^{+0}_{-0.2}$	4.0±0.2	2.2±0.15	(1.0)	0.5±0.1	$0.7^{+0.7}_{-0.1}$	3.3±0.15
DR3×3.8D1	$3.0^{+0.05}_{-0.15}$	3.8±0.2	1.25±0.2	(1.1)	2.0±0.15	0.75±0.15	
DR3×3.8D3	$3.0^{+0.05}_{-0.15}$	3.8±0.2	1.4±0.1	(1.3)	$2.0^{+0.2}_{-0.1}$	0.5±0.15	2.2±0.1
DR3×3.8D13	$3.0^{+0.05}_{-0.15}$	3.8±0.2	1.4±0.1	(1.2)	$0.3^{+0.2}_{-0.1}$	0.35±0.1	2.2±0.1
DR3×4	$3.0^{+0.05}_{-0.05}$	4.0±0.2	1.5±0.1	(0.9)	2.2±0.05		
DR3.6×1.7	$3.6^{+0}_{-0.15}$	1.7±0.15	1.3±0.1 1.7±0.1	(0.45)	0.8±0.1		
DR4×2.2	$4.0^{+0}_{-0.15}$	2.2±0.15	$1.8^{+0.05}_{-0.15}$ 2.2±0.15	(0.6)	1.0±0.1		
DR3×1.9D2	$3.0^{+0}_{-0.15}$	1.9±0.15	1.5±0.1	(0.5)	0.9±0.1	0.5±0.15	2.6±0.1
DR3×2.1	$3.0^{+0}_{-0.15}$	2.1±0.15	1.0±0.1	(0.5)	1.1±0.1		
DR5.8×7D1	5.8±0.15	7.0±0.2	2.2±0.15	(1.0)	4.8±0.2	0.9±0.15	
DR9×3.4	$9.0^{+0}_{-0.7}$	3.35±0.15	3.5±0.2	(0.9)	1.6±0.1		

DR 型磁芯 (Drum Type Cores)

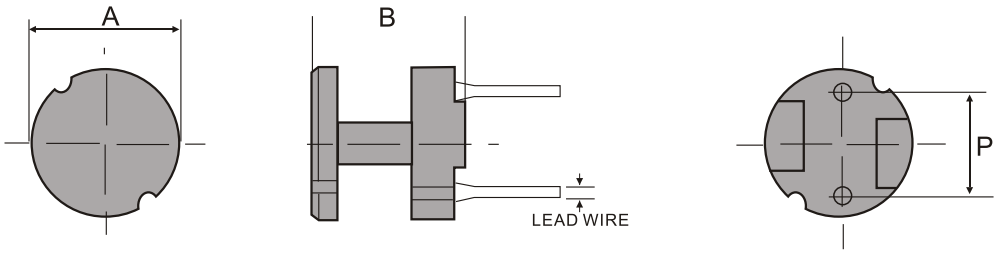
ORDERING CODE:

Example:SD6 DR 7.8 × 5.5 RSN

- RSN → Auxiliary symbol(附属代码)
- 5.5 → Length(长度)
- 7.8 → Outer diameter(外径)
- DR → Configuration symbol(形状代码)
- SD6 → Available material(适用材质)

CONFIGURATIONS:

DRww SYMBOL "RSN"



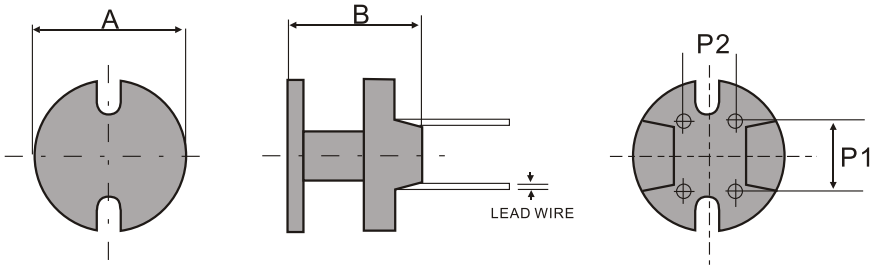
DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	P
DR7.8×5.5RSN	7.8±0.15	5.5MAX	5
DR7.8×7.5RSN	7.8±0.15	7.5MAX	5
DR7.8×9.5RSN	7.8±0.15	9.5MAX	5

CONFIGURATIONS:

DR4w SYMBOL "RSN"



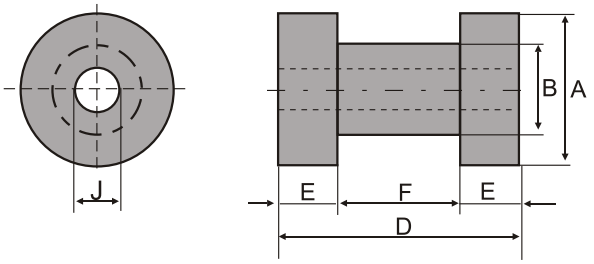
DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	P1	P2
DR4w 10×6RSN	10±0.2	6MAX	5	4
DR4w 10×8RSN	10±0.2	8MAX	5	4
DR4w 10×10RSN	10±0.2	10MAX	5	4

DRH 型磁芯 (Drum Type CORES)

CONFIGURATIONS:



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	D	B	E	F	J
DRH18×20	18.03±0.8	20.0±1.0	11.0±0.4	3.75	12.5±0.5	3.2±0.2
DRH22×18	22.0±1.0	18.5±1.0	12.5±0.3	3.5	11.5±0.5	3.75±0.2
DRH28×22	28.0±1.0	22.0±0.15	17.0±0.4	4.0	14.0±0.6	4.2 $^{+0.6}_{-0}$

SDR 型磁芯 (Square drum Type)

用途：1、线性线圈 2、扼流线圈

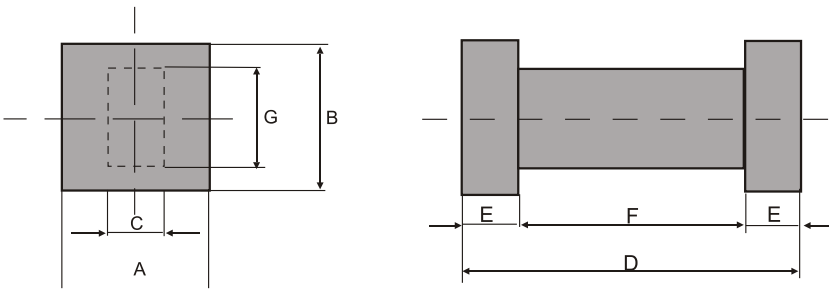
APPLICATION: 1.Linear coils. 2.Choke coils.

ORDERING CODE

Example:SD6 SDR 10 × 19.05

- Length(**长度**)
- Length of the end surface(**端面边长**)
- Configuration symbol(**形状代码**)
- Available material(**适用材质**)

CONFIGURATIONS:



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	D	E	F	G
SDR 8.06×19.05	8.06±0.2	8.06±0.2	2.9±0.15	19.05±0.6	3.1	12.8±0.5	5.7±0.2
SDR 10×19.05	10.0±0.3	10.0±0.3	3.7±0.15	19.05±0.6	2.1	14.9±0.6	6.9±0.3
SDR 2.4×9.9	2.4±0.2	3.8±0.2	1.8±0.1	9.9±0.2	2.2	4.5±0.2	6.0±0.2

THP 型磁芯 (Threaded Cup Cores)

用途：IFT. **及各种之滤波器(与** DR**型磁芯配对使用)**。

APPLICATIONS：IFT.AND VARIOUS FILTER(PAIR TO DR TYPE CORE WHEN IN USING).

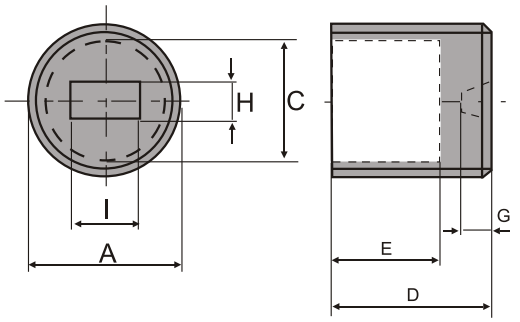
ORDERING CODE:

Example:SD2A THP 7.5 × 6.5 PS2(OC4)

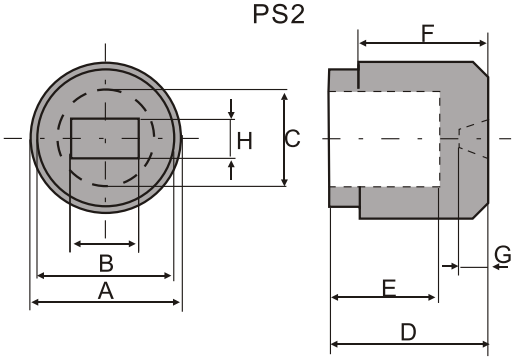
- Thread shapes(**螺纹形状**)
- Auxiliary symbol(**附属代码**)
- Length (**长度**)
- Outer diameter(**外径**)
- Configuration symbol(**形状代码**)
- Available material(**适用材质**)

CONFIGURATIONS:

PS4

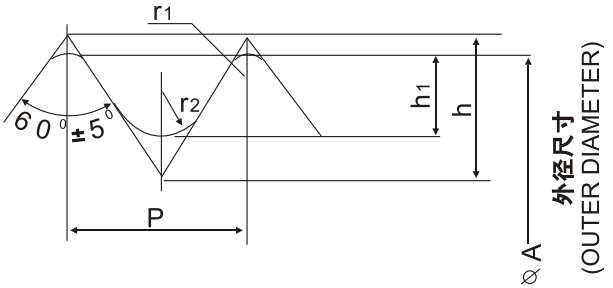


PS2



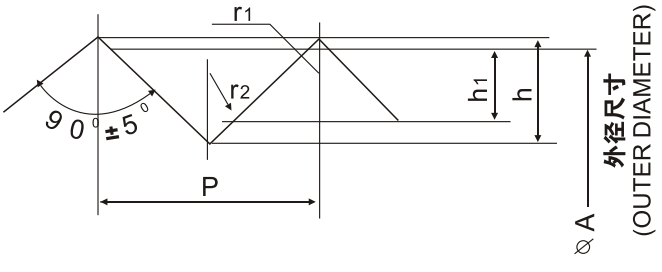
OC3**螺纹形状图**

(THREADED,DIAGRAM OF OC3 TYPE)



OC4 **螺纹形状图**

(THREADED,DIAGRAM OF OC4 TYPE)



THP

DIMENSION SHAPES AND MAIN PRODUCTIONS:

UNIT:mm

THREAD	Pitch P	Depth engagement h1	Degree θ°	Crest radius r1	Root radius r2
OC-3	0.50±0.03	$0.23^{+0.10}_{-0.05}$	$60^{\circ}\pm5^{\circ}$	0.08	0.22
	0.60±0.03	$0.28^{+0.10}_{-0.03}$	$60^{\circ}\pm5^{\circ}$	0.08	0.22
	0.75±0.03	$0.35^{+0.14}_{-0.03}$	$60^{\circ}\pm5^{\circ}$	0.08	0.22
	1.00±0.03	$0.47^{+0.12}_{-0.03}$	$60^{\circ}\pm5^{\circ}$	0.08	0.22
OC-4	0.5±0.03	$0.17^{+0.06}_{-0.03}$	$90^{\circ}{}^{+3^{\circ}}_{-5}$	0.05	0.15
	0.6±0.03	$0.20^{+0.08}_{-0.03}$	$90^{\circ}{}^{+3^{\circ}}_{-5}$	0.05	0.15
	0.8±0.03	$0.28^{+0.1}_{-0.03}$	$90^{\circ}{}^{+3^{\circ}}_{-5}$	0.09	0.15

DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	D	F	G	H	P	I
THP5.7×5.3PS2	$5.7^{+0.06}_{-0}$	$5.4^{+0.05}_{-0.3}$	$4.2^{+0.2}_{-0.15}$	5.3±0.15	$3.0^{+0.5}_{-0}$	0.8±0.15	1.3±0.15	0.6±0.15	3.6±0.15
THP5.8×5.3PS2	$5.8^{+0.08}_{-0}$	$5.4^{+0.1}_{-0.4}$	4.25±0.15	5.3±0.2	$3.0^{+0.5}_{-0}$	0.65±0.15	1.3±0.15	0.6±0.15	3.6±0.15
THP6.5×5.7PS2	6.5±0.03	$6.0^{+0.15}_{-0.1}$	5.0±0.15	5.7±0.2	4.3±0.3	0.8±0.15	1.5±0.15	0.7±0.15	3.9±0.15
THP7.5×6.5PS2	$7.45^{+0}_{-0.8}$	$6.8^{+0.1}_{-0.3}$	5.35±0.2	6.5±0.2	4.3±0.3	0.9±0.2	2.0±0.15	0.8±0.2	4.8±0.2
THP8.75×8.5PS2	8.75±0.03	$8.0^{+0.2}_{-0.3}$	$6.3^{+0.3}_{-0}$	8.5±0.2	5.3±0.2	1.0±0.2	2.0±0.15	0.8±0.1	4.8±0.15
THP5.95×2.7PS4	5.95±0.03		4.6±0.15	2.7±0.2		1.0±0.15	1.0±0.15	0.6±0.1	3.6±0.15
THP6.49×5.7PS4	6.49±0.03		5.28±0.15	5.7±0.2		0.8±0.15	1.5±0.15	0.8±0.15	4.0±0.2
THP7.5×6.5PS4	$7.45^{+0}_{-0.08}$		5.6±0.2	6.5±0.2		0.9±0.2	2.0±0.15	0.8±0.2	4.8±0.2
THP8.75×8.5PS4	8.47±0.03		$6.5^{+0.3}_{-0}$	8.5±0.2		1.0±0.2	2.0±0.15	1.0±0.2	5.0±0.2

TH 型磁芯 (Threaded Cores)

用途：IFT.，RF.，OSC.，驱动器，检波器等用电感器

APPLICATIONS：INDUCTOR OF IFT.,RF.,OSC.,DRIVER,DETECTOR,ETC

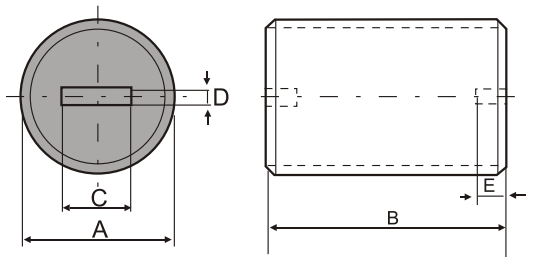
ORDERING CODE:.

Example:SD1C TH 6 × 15 S4

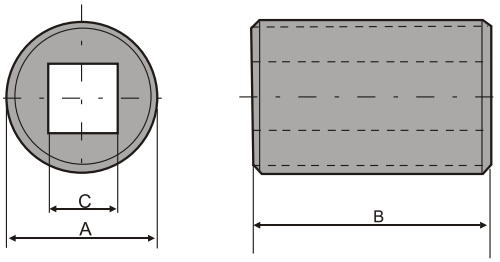
- S4 → Auxiliary symbol(**附属代码**)
- 15 → Length (**长度**)
- 6 → Outer diameter(**外径**)
- TH → Configuration symbol(**形状代码**)
- SD1C → Available material(**适用材质**)

CONFIGURATIONS:

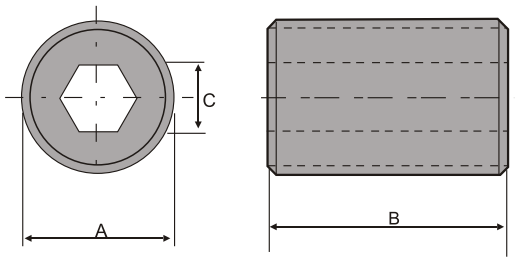
STANDARD TYPE(**标准型**)



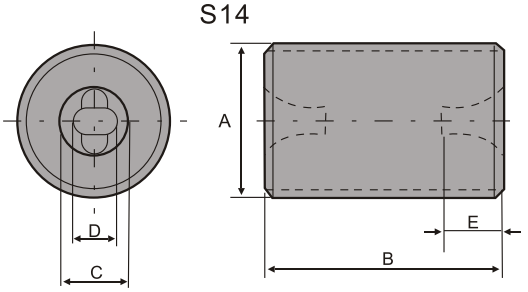
S8



S4

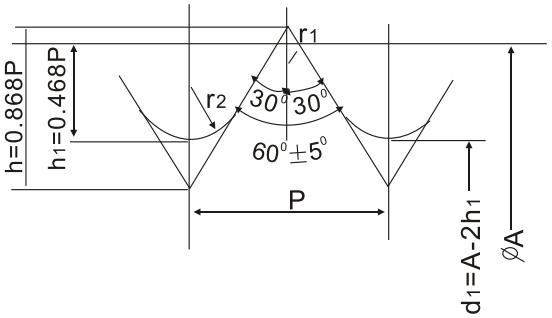


S14



Thread Shape

(Thread OC3)



DIMENSION SHAPES AND MAIN PRODUCTIONS:

UNIT:mm

P	h	hr	r1	r2
0.50±0.03	0.433	0.23 $^{+0.10}_{-0.05}$	0.06±0.03	0.15±0.03
0.60±0.03	0.520	0.28 $^{+0.10}_{-0.03}$	0.07±0.03	0.17±0.03
0.75±0.03	0.650	0.35 $^{+0.14}_{-0.03}$	0.08±0.03	0.22±0.03
1.00±0.03	0.866	0.47 $^{+0.14}_{-0.03}$	0.11±0.03	0.29±0.03

TH

DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	D	E
TH2.6×3	2.6±0.03	3.0±0.3	1.3±0.15	0.3±0.1	1.0±0.2
TH3.18×5	3.18±0.03	5.0±0.3	1.3±0.15	0.7±0.1	1.2±0.2
TH3.2×3.9	3.2±0.03	3.9±0.2	1.3±0.15	0.7±0.1	1.2±0.2
TH3.2×5.5	3.2±0.03	5.5±0.3	1.3±0.15	0.7±0.1	1.2±0.2
TH3.2×6	3.28±0.03	6.0±0.3	1.3±0.15	0.7±0.1	1.2±0.2
TH3.66×8	3.66±0.03	8.0±0.3	1.5±0.15	0.8±0.1	1.2±0.2
TH4×6	4.0±0.03	6.0±0.3	1.5±0.15	0.8±0.1	1.2±0.2
TH5.85×8	5.85±0.03	8.0±0.3	2.4±0.15	1.2±0.1	1.25±0.2
TH7.5×36s4	7.5±0.03	36.0±0.1	2.7±0.1		
TH4.5×15s4	4.5±0.03	15.0±0.4	2.0±0.07		
TH4.6×6s4	4.6±0.03	6.0±0.3	2.0±0.07		
TH4.6×9.53s4	4.6±0.03	9.53±0.3	2.0±0.07		
TH6×20s4	6.0±0.03	20.0±0.6	.2.7±0.1		
TH6.18×19s4	6.18±0.03	19.0±0.6	2.7±0.1		
TH6.18×25s4	6.18±0.03	25.0±0.8	2.7±0.15		
TH6.25×28s4	6.25±0.03	28.0±0.8	2.7±0.15		
TH6.3×25.4s4	6.3±0.03	25.4±0.8	2.7±0.15		
TH3.2×5s8	3.2±0.03	5.0±0.3	1.0±0.07		
TH3.7×8s8	3.7±0.03	8.0±0.3	1.5±0.1		
TH4.6×6s8	4.6±0.03	6.0±0.3	1.5±0.1		
TH3.2×5s14	3.2±0.03	5.0±0.3	1.6±0.15	0.9±0.1	1.0±0.2
TH3.66×8s14	3.66±0.03	8.0±0.3	1.6±0.15	0.85±0.1	1.2±0.2
TH4.6×8s14	4.6±0.03	8.0±0.3	2.6±0.15	1.0±0.1	1.7±0.2

＊“B”尺寸可在合理范围内调整。

P 型磁芯 Cup Core(Pot Type)

用途：IFT.,RF.,OSC.等用电感器(标准型，P2型需与DR型磁芯或TH型磁芯配对使用)。

APPLICATIONS：INDUCTOR OF IFT.,RF.,OSC.etc.(STANDARD TYPE, P2 TYPE PAIR TO DR CORE orTH CORE WHENIN USING)

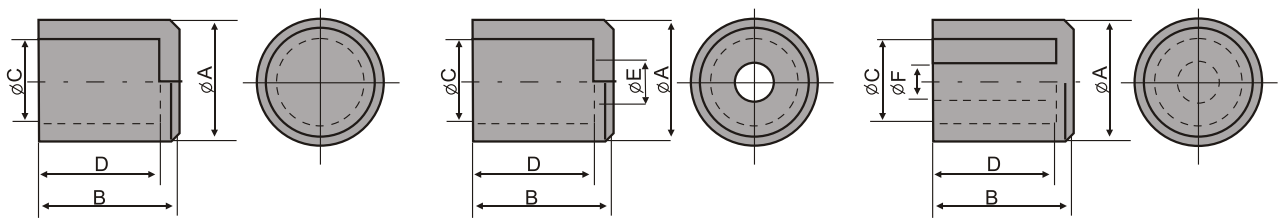
ORDERING CODE:

Example:SD9D P 6.9 × 6.1 P2

- P2 → Auxiliary symbol(附属代码)
- 6.1 → Length (长度)
- 6.9 → Outer diameter(外径)
- P → Configuration symbol(形状代码)
- SD9D → Available material(适用材质)

CONFIGURATIONS:

STANDARD(标准型) P2 P16



DIMENSION OF MAIN PRODUCTIONS：

UNIT:mm

Ordering code	A	C	B	E	D	F
P9×11.5	9.0 $^{+0.15}_{-0.2}$	7.3±0.15	11.5±0.45		10.5 $^{+0}_{-0.4}$	
P10×14	10.0±0.3	8.3±0.15	14.0±0.4		12.3±0.2	
P6.9×6P2	6.9 $^{+0.15}_{-0.2}$	5.5±0.15	6.0±0.2	4.1±0.15	4.7 $^{+0.1}_{-0.15}$	
P9.85×4.25P2	9.85 $^{+0}_{-0.2}$	8.3±0.15	4.25±0.2	4.7±0.15	4.7±0.15	
P9.85×6.6P2	9.85 $^{+0}_{-0.2}$	8.1 $^{+0.25}_{-0.05}$	6.6±0.2	4.5 $^{+0.25}_{-0.15}$	5.2±0.15	
P12.4×12P2	12.4 $^{+0.1}_{-0.4}$	10.0 $^{+0.2}_{-0.1}$	12.0±0.4	5.0 $^{+0.2}_{-0}$	10.5 $^{+0}_{-0.4}$	
P6.9×5.2P2	6.9 $^{+0.15}_{-0.2}$	5.5±0.15	5.2±0.2	3.5±0.15	4.05 $^{+0.1}_{-0.15}$	
P7.8×5.8P16	7.8±0.2	6.25±0.15	5.8±0.2		4.8±0.15	2.4±0.1
P9.2×9.4P16	9.2 $^{+0.33}_{-0.30}$	7.2±0.2	9.4±0.25		7.6±0.25	3.4 $^{+0.10}_{-0.15}$
P13.2×12P16	13.2±0.25	11±0.2	12.0±0.3		5.5±0.15	5.0 $^{+0.10}_{-0.15}$

RH 型磁芯 Bead (Shield Type)

ORDERING CODE:

Exzmple: SD5B RH 3.5 × 6 × 0.8

- 0.8 → Inside diameter(θ C)
- 6 → Length (**长度**)
- 3.5 → Outer diameter(**外径**)
- RH → Configuration symbol(**形状代码**)
- SD5B → Available material(**适用材质**)

APPLICATION:

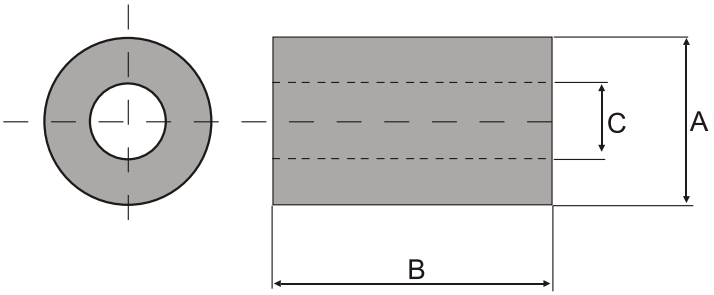
1.**抑制电磁干扰**(Rid a circuit of EMI.)

2.**抗音频干扰**(Referred to RFI.)

3.**计算机内外部主电缆**
(Internal and external computer data power cables.)

4.**噪音抑制**(Noise choke.)

CONFIGURATIONS:



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C
RH2.5×1×1	2.5±0.1	1.0±0.2	1.0±0.15
RH3×1.7×1	3.0±0.1	1.7±0.2	1.0±0.15
RH3×12×1	3.0±0.15	12.0±0.4	1.0±0.15
RH3.5×4.5×0.8	3.5±0.2	4.5±0.3	0.8±0.15
RH3.5×6×1.3	3.5±0.2	6.0±0.3	1.3±0.15
RH3.5×8.9×0.8	3.5±0.2	8.9±0.3	0.8±0.15
RH3.5×12×1.2	3.5±0.2	12.0±0.4	1.2±0.15
RH3.5×12×1	3.5±0.2	12.0±0.4	1.0±0.15
RH4×10×2	4.0±0.2	10.0±0.3	2.0±0.15
RH6×30×2.5	6.0±0.2	30.0±0.1	2.5±0.2

Ordering code	A	B	C
RH7.5×7.5×2.39	7.5±0.2	7.54±0.3	2.39±0.2
RH9.7×10.4×4.7	9.7±0.3	10.4±0.3	4.7±0.2
RH12.8×15×8	12.8±0.4	15.0±0.4	8.0±0.4
RH14.2×28×6.35	14.2±0.6	28.0±0.8	6.35±0.4
RH14.2×28×6.7	14.2±0.6	28.0±0.8	6.7±0.8
RH14.2×28×8	14.2±0.6	28.0±0.8	8±0.8
RH17.5×17×9.5	17.5±0.8	17.0±0.6	9.5±0.6
RH17.5×28.5×9.5	17.5±0.8	28.5±0.8	9.5±0.6
RH18.4×28×9.5	18.4±0.8	28.0±0.8	9.5±0.6
RH25.7×28.5×13	25.7±0.8	28.5±0.8	13.0±0.8

＊“B”**尺寸可在合理范围内可调**。

RHH R4H R6H 型磁芯 Balun (Multi-Aperture Type)

用途：①整合变压器

②各种变压器

APPLICATIONS:①BALUN TRANSFORMERS

②VARIOUS RF TRANSFORMERS

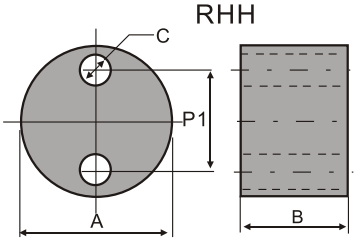
ORDERING CODE:

Example: SD6 R6H 6 × 10 × 0.9

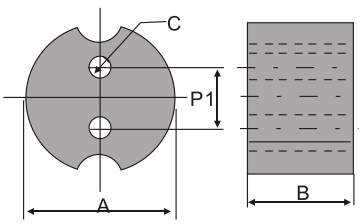
- Hole(ϕ C)
- Length (**长度**)
- Outer diameter(**外径**)
- Configuration symbol(**形状代码**)
- Available material(**适用材质**)

CONFIGURATIONS:

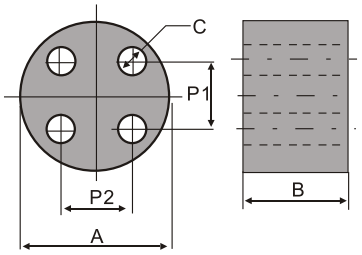
RHH



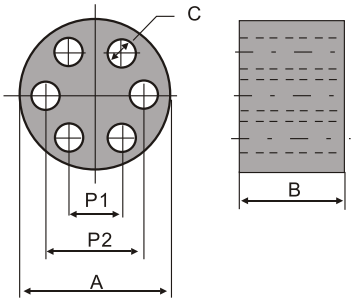
RHH-R



R4H



R6H



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	P_1	P_2
RHH 6×12×1.0	6.0±0.3	12.0±0.5	1.0±0.15	2.9±0.15	
RHH 6.5×5.5×1.2R	6.5±0.3	5.5±.03	1.2±0.15	3.0±0.15	
RHH 7×5.5×1.5R	7.0±0.4	5.5±0.3	1.5±0.15	3.0±0.15	
RHH 7×6×1.5	7.0±0.4	6.0±.03	1.5±0.15	2.7±0.15	
R4H 6.7×7×1.3	6.7±0.4	7.0±0.3	1.3±0.15	3.6±0.15	3.6±0.15
R4H 8×5×1.2	8.0±0.4	5.0±0.3	1.2±0.15	3.0±0.15	3.0±0.15
R6H 6×10×0.9	6.0±0.3	10.0±0.5	0.9±0.15	2.35±0.15	3.25±0.15

“B”对在合理范围内可调。

RID 型磁芯 (CORE RIDTYPE)

用途：整合变压器

APPLICATIONS: BALUN TRANSFORMERS

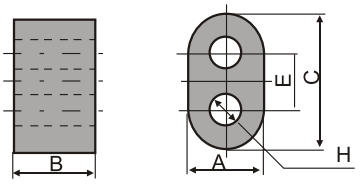
ORDERING CODE

Example:

SD6 RID 3 × 2 ×5 H1.2

- Hole diameter(**孔径**)
- Width(C)(**宽**)
- Length(B)(**长度**)
- Thickness(A)**厚**
- Configuration symbol(**形状代码**)
- Available material(**适用材质**)

CONFIGURATIONS：



DIMENSION OF MAIN PRODUCTIONS：

UNIT:mm

Ordering code	A	B	C	H	E
RID3×2×5H1.2	3.3±0.2	2.0±0.2	5.2±0.3	1.2±0.1	2.6
RID3×2×5H1.2	3.0±0.2	2.0±0.2	5.2±0.3	1.2±0.1	2.6
RID3×3×5H1.2	3.3±0.2	3.0±0.2	5.2±0.3	1.2±0.1	2.6
RID3×3×5H1.2	3.0±0.2	3.0±0.2	5.2±0.3	1.2±0.1	2.6
RID3×5×5H1.2	3.3±0.2	5.0±0.3	5.2±0.3	1.2±0.1	2.6
RID3×4×6H1.5	3.0±0.2	4.0±0.3	6.0±0.3	1.5±0.1	3.0
RID3×10×6.5H1	3.0±0.2	10.0±0.4	6.5±0.3	1.0±0.1	3.5
RID6.5×4×12H3.8	6.5±0.3	4.0±0.3	12.0±0.5	3.8±0.25	5.5
RID7.5×5×13H3.8(R)	7.5±0.3	5.0±0.3	13.3±0.5	3.8±0.25	5.8
RID7.5×7×13H3.8(R)	7.5±0.3	7.0±0.3	13.3±0.5	3.8±0.25	5.8
RID8×7×15H5	8.0±0.3	7.0±0.3	15.0±0.5	5.0±0.25	7.0
RID8×14×15H5	8.0±0.3	14.0±0.5	15.0±0.5	5.0±0.25	7.0

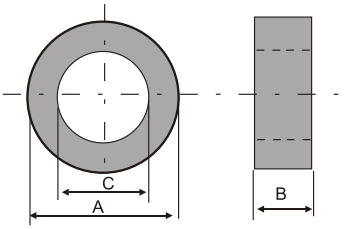
T 型磁芯 (CORE T TYPE)

ORDERING CODE：

Example:SD6 T 4 × 2 ×1.5

- Inside diameter(**内径**)
- Height(**高度**)
- Outer diameter(**外径**)
- Configuration symbol(**形状代码**)
- Available material(**适用材质**)

CONFIGURATIONS:



APPLICATION: 1.EMI/RFI suppression. 2.Pulse and Matching transformer.
3.Choke(Mixer) 4.Input filters

DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	Ordering code	A	B	C
T4×2×1.5	4±0.2	2±0.2	1.5±0.2	T12×5×8	12±0.4	5±0.3	8±0.4
T4.8×0.5×3.4	4.8±0.2	0.5±0.15	3.4±0.2	T14×3.5×8	14±0.4	3.5±0.3	8±0.4
T4.8×1.5×2.8	4.8±0.2	1.5±0.15	2.8±0.2	T16×7×12	16±0.4	7±0.3	12±0.4
T6×2×3	6±0.3	2±0.2	3±0.3	T16×8×12	16±0.4	8±0.3	12±0.4
T8×4×4	8±0.3	4±0.2	4.±0.3	T16×9×12	16±0.4	9±0.3	12±0.4
T9.2×3×5	9.2±0.3	3±0.2	5±0.3	T18×6×10	18±0.5	6±0.3	10±0.5
T9.53×4.57×4.69	9.53±0.3	4.57±0.3	4.6±0.3	T19×10×8	19±0.5	10±0.4	8±0.5
T10×5×8	10±0.4	5±0.3	8±0.3	T23×7×13	23±0.5	7±0.3	13±0.5
T12×3×6	12±0.4	3±0.2	6±0.3	T29×7.5×18	29±0.5	7.5±0.3	18±0.5

R 型磁芯 (CORE R TYPE)

ORDERING CODE:

Example: SD6 R 6 × 30

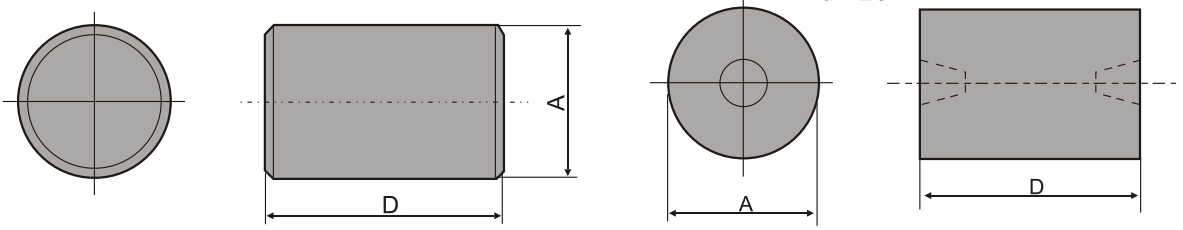
- Length(长度)
- Outer diameter (外径)
- Configuration symbol(形状代码)
- Available material (适用材质)

APPLICATION:

1.微分输入滤波器(Differential input filters.)
2.SCR扼流圈(SCR choke)
3.音频交互网络用电感器(Inducts in audio crossover networks.)
4.脉冲变压器(Pulse transformers.)
5.振荡线图(Oscillating coil.)
6.μ 调整线圈(μ tuning coil.)
7.遥控天线(Antennas of Remove control.)

CONFIGURATIONS:

d - 29



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	D
R 1.2×5.8	1.2±0.1	5.8±0.2
R 1.85×7.7	1.85±0.1	7.7±0.3
R 3×10	3.0±0.1	10±0.3
R 3×14	3.0±0.1	14±0.4
R 3×20	3.0±0.1	20±0.5
R 3.5×7.5	3.5±0.1	7.5±0.3
R 3.5×14	3.5±0.1	14±0.4
R 3.7×14	3.7±0.1	14±.04
R 4×9	4.0±0.1	9±0.3
R 4×16	4.0±0.1	16±0.5
R 4×20	4±0.15	20±0.6
R 4×25	4±0.15	25±0.8
R 4.5×30	4.5±0.15	30±0.8
R 5×15	5±0.15	15±0.4
R 5×25	5±0.15	25±0.8
R 5×30	5±0.15	30±0.8

Ordering code	A	D
R 6×20	6±0.15	20±0.4
R 6×30	6±0.15	30±0.8
R 6.5×15	6.5±0.15	15±0.4
R 6.5×30	6.5±0.15	30±0.8
R 7.6×30	7.6±0.15	30±0.8
R 7.6×40	7.6±0.15	40±0.8
R 8×15	8±0.2	15±0.4
R 8×32	8±0.2	32±0.8
R 9.5×19	9.5±0.2	19±0.5
R 9.53×25.4	9.53±0.2	25.4±0.8
R 9.35×31.75	9.53±0.2	31.75±0.8
R 10×18	10±0.2	18±0.5
R 10×21	10±0.2	21±0.6
R 10×30	10±0.2	30±0.8
R 10×40	10±0.2	40±1.0
R 15×35	15±0.2	35±0.8

＊“D”尺寸在合理范围内可调。

RI 型磁芯 (CORE RI TYPE)

用途：汽车音响调节器。

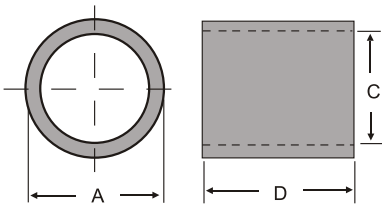
APPLICATIONS: CAR-RADIO TUNER.

ORDERING CODE:

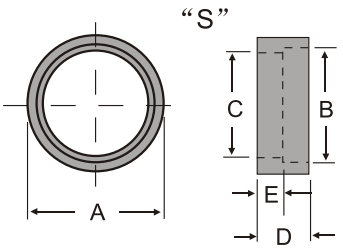
Example:SD5 RI 12 × 13.5 × 9.6

- Hole(θC)
- Length (**长度**)
- Outer diameter(**外径**)
- Configuration symbol(**形状代码**)
- Available material(**适用材质**)

CONFIGURATIONS:



"S"



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

CORES	A	B	C	D	E
RI 3.3×8×2.5	3.3±0.1		2.5±0.15	8.0±0.3	
RI 4.5×2.2×3.6	4.5±0.1		$3.6^{+0.05}_{-0.1}$	2.2±0.1	
RI 4×9.85×3.1	4.0±0.1		3.1±0.1	9.85±0.4	
RI 7.8×4×6.4	7.8±0.3		6.4±0.2	4.0±0.2	
RI 12×13.5×9.6	12±0.3		9.6±0.15	13.5±0.5	
RI 16×8×12	16±0.2		12±0.2	8.0±0.3	
RI 8.8×6.5×6.07(S)	8.8±0.2	7.0±0.15	6.07±0.15	6.5±0.3	3.5±0.2
RI 12.4×4.2×10.1(S)	12.4±0.3	$10.15^{+0.1}_{-0.2}$	$9.35^{+0.05}_{-0.1}$	4.2±0.2	2.0±0.2

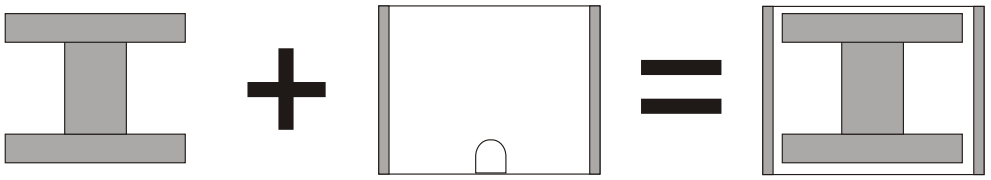
DRI 型磁芯 USE FOR ALARM (CORE DRI TYPE)

DIMENISON OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	DR	RI(combination with DR)
DRI 3.3×2T	DR 2.5×2	RI 3.3×2×2.5T
DRI 3.3×2.6T	DR 2.5×2.6	RI 3.3×2.6×2.5T
DRI 4.5×2T	DR 3.55×2	RI 4.5×2×3.6T
DRI 4.5×2.5T	DR 3.55×2.5	RI 4.5×2.5×3.6T
DRI 4.9×3T	DR 4×3(3.85×3)	RI 4.9×3×3.9T
DRI 3.3×1.7T	DR 2.5×1.7	RI 3.3×1.7×2.5T
DRI4.5×2.2T	DR 3.6×2.2	RI4.5×2.2×3.6T
DRI 4.5×2.5T	DR 3.6×2.5	RI 4.5×2.5×3.6T

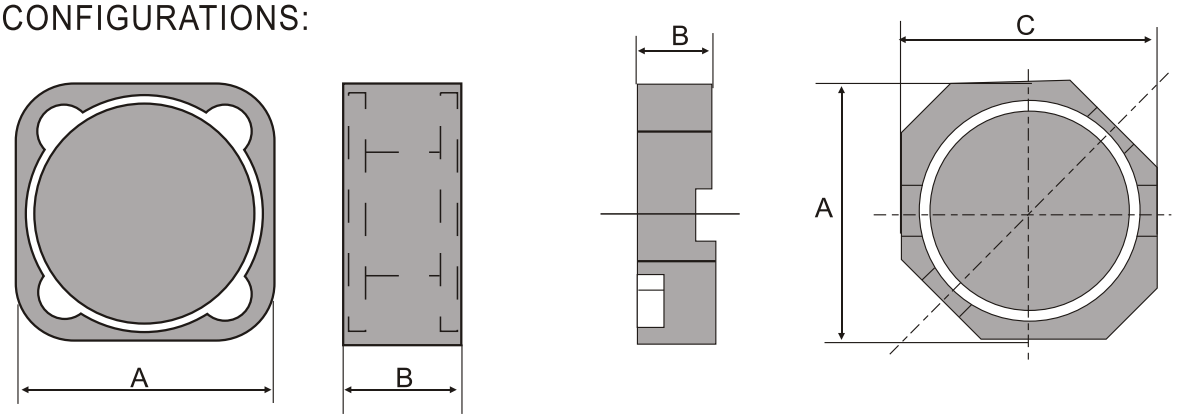
CONFIGURATIONS:



SDRI

SMT POWER CHOKE CORE

CONFIGURATIONS:



DIMENSION OF MAIN PRODUCTIONS:

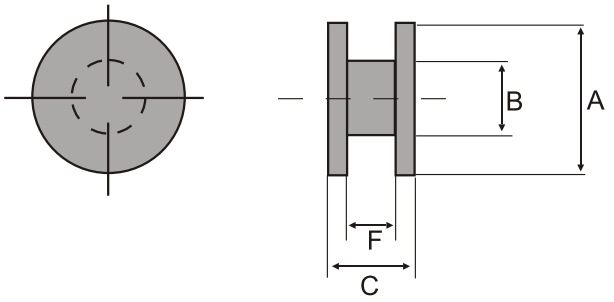
UNIT:mm

Ordering code	A	B	SRI	DR
SDRI12.5×12.5×5.2	12.5	5.2	12.5×12.5×5.2	10×5.2
SDRI12.5×12.5×7.2	12.5	7.2	12.5×12.5×7.2	10×7.2

DR

SMT POWER CHOKE CORE

CONFIGURATIONS:



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	F
DR 4×2	4.0	1.5	2.0	1.2
DR 8.38×4	8.38	3.0	4.0	2.5
DR 10×5.2	10.0	5.25	5.2	3.0
DR 10×5.2	10.	6.7	5.2	4.9
DR 12.7×6	12.7	6.5	6.0	3.2
DR 7.2×3.1	7.2	3.5	3.1	1.7
DR 5.1×2.5	5.1	3.0	2.5	1.1

CDR 型磁芯 SMT Power Choke Core(Cut Drum Core)

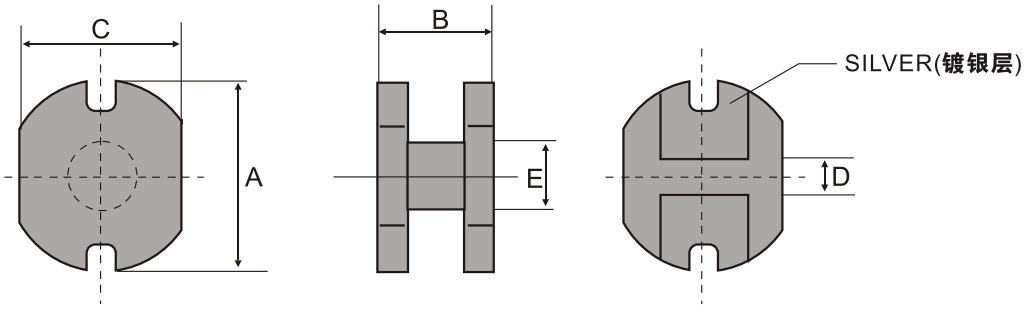
ORDERING CODE:

Example:

SD5 CDR 4.5 × 3.2 R

- R → Auxiliary symbol(附属代码)
- 3.2 → Height(高度)
- 4.5 → Outer diameter(外径)
- CDR → Configuration symbol(形状代码)
- SD5 → Available material(使用材质)

CONFIGURATIONS:



DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	D
CDR 4.5×3.2R	4.5±0.1	3.2±0.2	4.0±0.1	1.2
CDR 5.8×4.5R	5.8±0.1	4.5±0.2	5.2±0.1	1.3
CDR 7.8×3.5R	7.8±0.1	3.5±0.2	7.0±0.1	1.6
CDR 7.5×5R	7.5±0.1	5.0±0.2	7.0±0.1	1.6
CDR 10×4R	10±0.2	4.0±0.2	9.0±0.2	2.1
CDR 10×5.4R	10±0.2	5.4±0.2	9.0±0.2	2.1

＊“E”尺寸可根据用户要求合理任调。

SMB 型磁芯 (CORE SMB TYPE)

ORDERING CODE:

Example:

SD5 SMB 3.05 × 2.54 × 4.05

- Length (长度)
- Height(高度)
- Width(宽度)
- Configuration symbol(形状代码)
- Available material(适用材质)

CONFIGURATIONS:

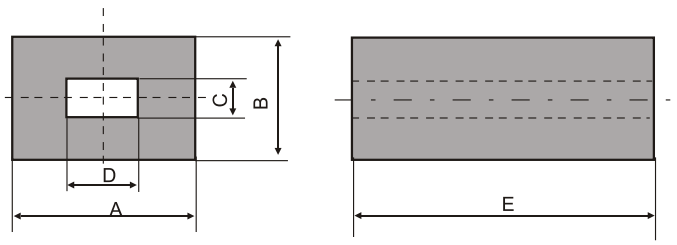


FIG.1

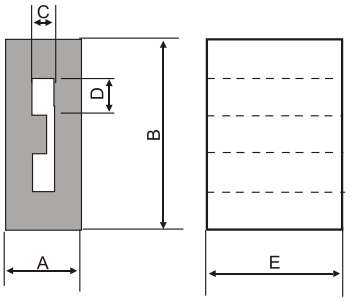


FIG.2

DIMENSION OF MAIN PRODUCTIONS:

UNIT:mm

Ordering code	A	B	C	D	E	FIG
SMB 3.05 × 2.54 × 4.05	3.05±0.15	2.54±0.15	0.5±0.1	1.5±0.1	4.05±0.2	1
SMB 3.05 × 2.54 × 8.5	3.05±0.15	2.54±0.15	0.5±0.1	1.5±0.1	8.5±0.3	1
SMB 4.75 × 3 × 7.88	4.75±0.15	3±0.15	0.6±0.1	2.0±0.1	7.88±0.3	1
SMB 2.85 × 5.6 × 8.9	2.85±0.2	5.60±0.5	0.4±0.1	1.5±0.1	8.2±0.3	2