

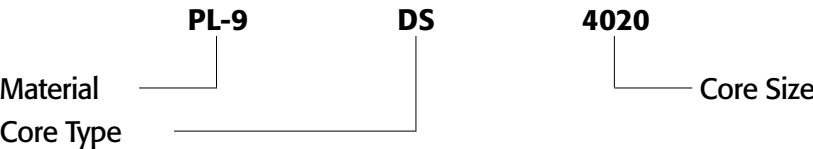


POT CORES

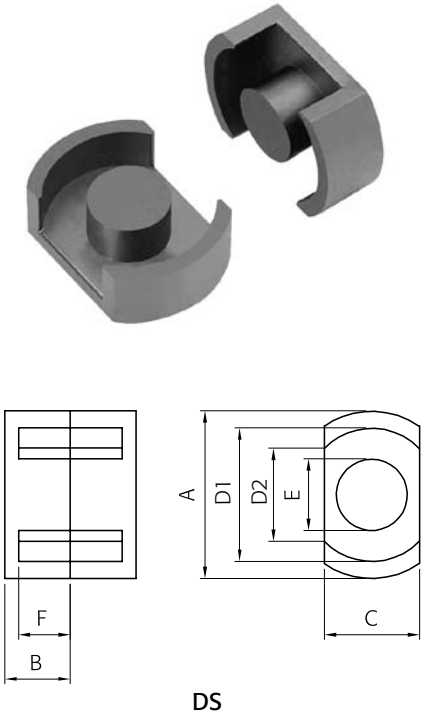
DS30~DS40

PC05~PC30

Ordering Code System



DS CORES



Part No.		DS3019D	DS3119W	DS3314W	DS3319D
Type		DS	DS	DS	DS
Dimensions in mm	A	30.00 ±0.50	31.20 ±0.30	33.20 ±0.50	33.20 ±0.50
	B	9.40 ±0.15	9.45 ±0.15	7.10 ±0.15	9.40 ±0.15
	C	20.30 ±0.30	20.30 ±0.30	23.70 ±0.30	23.70 ±0.30
	D1	25.40 ±0.40	25.40 ±0.35	26.60 ±0.40	26.60 ±0.40
	D2	17.80 min.	17.20 min.	17.80 min.	17.80 min.
	E	13.30 ±0.20	13.20 ±0.15	13.50 ±0.20	13.50 ±0.20
	F	6.60 ±0.15	6.45 ±0.20	4.30 ±0.15	6.50 ±0.15

Core Set Parameters	C1(mm ⁻¹)	0.395	0.390	0.290	0.350
	Le(mm)	46.2	50.2	42.6	51.4
	Ae(mm²)	117.0	127.5	145.1	147.4
	Ve(mm³)	5410	6396	6178	7576
	Ac(mm²)	139.0	136.9	143.0	143.0
	Aw(mm²)	80.0	78.7	56.3	85.2
	W(g/set)	27	26	24	39.4

Electrical Characteristics ⁽¹⁾⁽²⁾	Al value	PL-7	5000	5400	7300	5900
		PL-9	6200	6800	9000	7450
		PL-11	5200	5400	7300	6000
		PL-13	6600	7200	9500	7900
		PL-15	5200	5400	7300	6000
	Core loss	PL-7	3.00	3.20	3.20	3.20 ¹⁾
		PL-9	2.65	2.95	2.90	3.41 ¹⁾
		PL-11	2.65	2.95	2.90	3.41 ¹⁾
		PL-13	2.65	2.95	2.90	3.41 ¹⁾
		PL-15	2.50	2.80	2.80	3.20 ¹⁾

Note :

1) Core loss

- Unit : Watt max.

- Measuring conditions

PL-7, PL-11, PL-15 : 100 kHz, 200mT, at 100℃

PL-9, PL-13 : 100 kHz, 200mT, at 80℃

1) 100kHz, 100mT, at 100℃

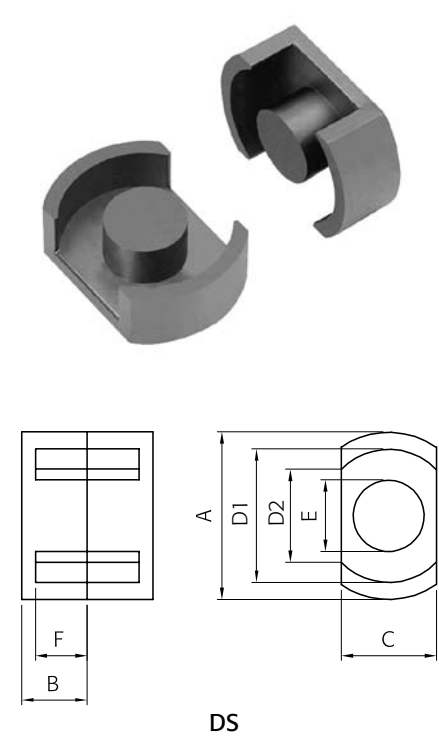
2) Al value

- Unit : nH/N²

- Measuring conditions : 1kHz, 0.1V, 23℃

- Tolerance : ±25%

DS CORES



Part No.		DS3324	DS4020	DS4020D	DS4025D
Type		DS	DS	DS	DS
Dimensions in mm	A	33.20 ±0.50	39.80 ±0.50	40.20 ±0.50	40.20 ±0.50
	B	12.05 ±0.15	10.10 ^{+0.20} _{-0.10}	10.10 ^{+0.20} _{-0.10}	12.65 ±0.20
	C	23.70 ±0.30	28.30 ±0.35	28.30 ±0.35	28.30 ±0.35
	D1	26.60 ±0.40	33.20 ±0.50	33.60 ±0.50	33.60 ±0.50
	D2	17.80 min.	20.00 min.	20.00 min.	20.00 min.
	E	13.50 ±0.20	16.00 ±0.25	16.00 ±0.25	16.00 ±0.25
	F	9.25 ±0.15	6.50 ^{+0.20} _{-0.10}	6.50 ^{+0.20} _{-0.10}	9.05 ±0.20

Core Set Parameters	C1(mm ⁻¹)	0.420	0.28	0.28	0.328
	Le(mm)	61.9	57.3	57.4	67.3
	Ae(mm²)	147.4	205	205	205
	Ve(mm³)	9124	11746	11750	13800
	Ac(mm²)	143.0	201	201	201
	Aw(mm²)	121.0	111.8	114.4	159.3
	W(g/set)	36	62	62	82

Electrical Characteristics ⁽¹⁾⁽²⁾	Al value	PL-7	5100	7100	7100	6000
		PL-9	6500	9400	9400	8000
		PL-11	5200	7200	7300	6200
		PL-13	6900	10000	10000	8500
		PL-15	5200	7200	7300	6200
	Core loss	PL-7	4.75	7.00	7.00	1.30
		PL-9	4.20	6.00	6.00	1.10
		PL-11	4.20	6.00	6.00	1.10
		PL-13	4.20	6.00	6.00	1.10
		PL-15	4.00	5.70	5.70	1.00

Note :

1) Core loss

- Unit : Watt max.
- Measuring conditions
PL-7, PL-11, PL-15 : 100 kHz, 200mT, at 100℃
PL-9, PL-13 : 100 kHz, 200mT, at 80℃
1) 100kHz, 100mT, at 100℃

2) Al value

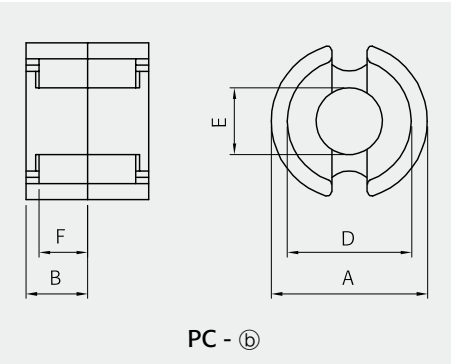
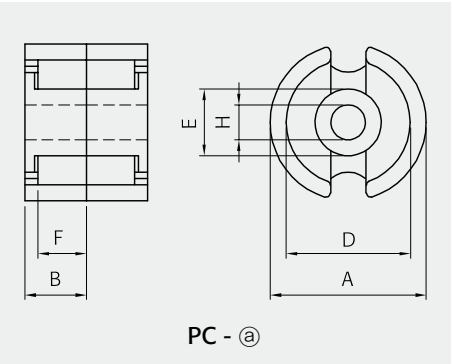
- Unit : nH/N²
- Measuring conditions : 1kHz, 0.1V, 23℃
- Tolerance : ±25%

	DS4025W	DS4026	DS4028	DS4030
	DS	DS	DS	DS
A	39.80 ±0.50	39.80 ±0.50	39.80 ±0.50	39.80 ±0.50
B	12.80 ±0.20	13.50 ±0.20	14.00 ±0.20	15.10 ±0.20
C	28.30 ±0.35	28.30 ±0.35	28.30 ±0.35	28.30 ±0.35
D1	33.20 ±0.50	33.20 ±0.50	33.20 ±0.50	33.20 ±0.50
D2	20.00 min.	20.00 min.	20.00 min.	20.00 min.
E	16.00 ±0.25	16.00 ±0.25	16.00 ±0.25	16.00 ±0.25
F	9.20 ±0.20	9.90 ±0.20	10.40 ±0.20	11.50 ±0.20

C1(mm ⁻¹)	0.332	0.340	0.330	0.389
Le(mm)	68.5	71.3	73.3	79.8
Ae(mm²)	205	205.0	205.0	205.0
Ve(mm³)	14042	14617	15027	16300
Ac(mm²)	201	201.0	201.0	201.0
Aw(mm²)	155	170.0	178.9	197.8
W(g/set)	81	76	79	83

Al value	PL-7	5900	5800	5920	4400
	PL-9	7700	7500	7400	5600
	PL-11	6100	6000	5920	4500
	PL-13	8200	8000	7800	5900
	PL-15	6100	6000	5920	4500
Core loss	PL-7	7.30 ¹⁾	1.40	7.80	8.20
	PL-9	6.50 ¹⁾	1.20	7.10	8.00
	PL-11	6.50 ¹⁾	1.20	7.10	8.00
	PL-13	6.50 ¹⁾	1.20	7.10	8.00
	PL-15	6.20 ¹⁾	1.10	6.70	7.60

PC CORES



Part No.		PC0506S	PC0909S	PC1408H	PC1811A
Type		PC - ②	PC - ②	PC - ③	PC - ③
Dimensions in mm	A	5.35 ±0.15	8.70 ±0.20	14.00 ±0.25	17.90 ±0.30
	B	3.20 ±0.10	4.50 ±0.10	4.18 ±0.10	5.30 ±0.10
	C	3.05 ±0.15	4.15 ^{+0.00} _{-0.25}	9.40 ref.	10.40 ref.
	D	4.25 ±0.15	7.20 ±0.20	11.85 ±0.25	15.10 ±0.25
	E	1.90 ±0.10	2.70 ±0.10	5.85 ±0.45	7.40 ±0.15
	F	2.50 ±0.10	3.40 ±0.10	2.90 ±0.15	3.70 ±0.10
	H			3.10 ±0.15	3.10 ±0.10

Core Set Parameters	C1(mm ⁻¹)	3.600	2.427	0.790	0.600
	Le(mm)	11.5	16.2	19.8	25.8
	Ae(mm²)	3.2	6.7	25.1	43.3
	Ve(mm³)	37	110	495	1120
	Ac(mm²)	2.8	5.7	19.8	36.1
	Aw(mm²)	5.9	15.3	17.1	28.5
	W(g/set)	0.3	1.2	3.3	6.8

Electrical Characteristics ⁽¹⁾⁽²⁾	Al value	PL-7	600	800	2350	3400
		PL-9	750	1000	2940	4250
		PL-11	580	800	2350	3400
		PL-13	800	1070	3140	4530
		PL-15	580	800	2350	3400
		SM-23T	580	770	2250	3300
		SM-43T	1100	1400	4200	6100
	Core loss	PL-7	0.02	0.11	0.30	0.56
		PL-9	0.02	0.10	0.27	0.50
		PL-11	0.02	0.10	0.27	0.50
		PL-13	0.02	0.10	0.26	0.50
		PL-15	0.02	0.09	0.25	0.47

Note : 1) Core loss

- Unit : Watt max.

- Measuring conditions

PL-7, PL-11, PL-15 : 100 kHz, 200mT, at 100℃

PL-9, PL-13 : 100 kHz, 200mT, at 80℃

2) Al value

- Unit : nH/N²

- Measuring conditions : 1kHz, 0.1V, 23℃

- Tolerance : ±25%

	PC2213H	PC2417H	PC2616H	PC3019H
	PC - ③	PC - ③	PC - ③	PC - ③
A	21.60 ±0.30	24.30 ±0.45	25.50 ±0.50	30.00 ±0.50
B	6.70 ±0.10	8.68 ±0.15	8.05 ±0.225	9.40 ±0.10
C	15.00 ref.	17.00 ±0.35	18.00 ±0.35	21.50 ref.
D	18.20 ±0.25	21.00 ±0.30	21.60 ±0.50	25.40 ±0.40
E	9.25 ±0.15	11.00 ±0.15	11.30 ±0.30	13.30 ±0.20
F	4.70 ±0.10	6.10 ±0.15	5.65 ±0.20	6.60 ±0.10
H	4.55 ±0.15	5.40 ±0.15	5.50 ±0.20	5.55 ±0.10

C1(mm ⁻¹)	0.500	0.425	0.400	0.330
Le(mm)	31.5	37.5	37.6	45.0
Ae(mm²)	63.2	88.4	93.1	136.0
Ve(mm³)	1990	3320	3500	6120
Ac(mm²)	41.8	72.0	76.0	115.0
Aw(mm²)	42.0	55.5	58.0	80.0
W(g/set)	12.6	20.8	21.8	37.3

Al value	PL-7	4000	4500	5350	6400
	PL-9	5000	5000	6690	8000
	PL-11	4000	4500	5350	6400
	PL-13	5330	5330	7140	8530
	PL-15	4000	4500	5350	6400
	SM-23T	3800	4300	5100	6100
	SM-43T	7200	8100	9600	11500
Core loss	PL-7	1.00	2.20	1.80	3.06
	PL-9	0.90	2.00	1.62	2.75
	PL-11	0.90	2.00	1.62	2.75
	PL-13	0.90	2.00	1.62	2.75
	PL-15	0.85	1.85	1.50	2.60