SMT Power Inductors

SCDS Series

PRODUCT IDENTIFICATION

SCDS □□□ □ - □□□ □ -□

- International No.
- Tolerance
- Inductance
- Packaging Style
- Dimensions
- Product Symbol

- T : Packing : Tape and Reel
- HP : Low DCR
- LD : High Power
- Tolerance : K=±10% ; M=±20% ; T=±30%
- Internal No.: B: Silver plated terminals (3D12~6D38); S: Base type terminals (2D11~2D18HP & 62T&127)
- Note : YAGEO will start to release lead-free terminals that meet SONY SS-00259's criterial and YAGEO Internal No will changed to "N" as identification. EX : SCDS 127T-100M-N

FEATURES

Available in magnetically shielded.

Low DC resistance.

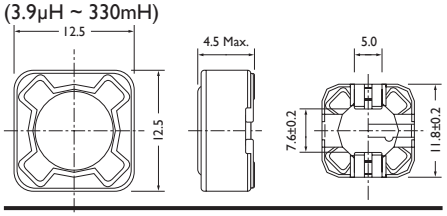
Suitable for large currents.

Ideal for a variety of DC - DC converter inductor applications.

Available on tape and reel for auto surface mounting.

SCDS124

(3.9μH ~ 330mH)



APPLICATIONS

Power supply for VTRs.

OA equipment.

LCD televisions.

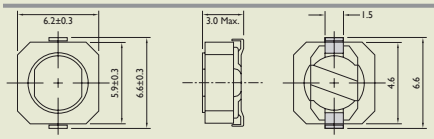
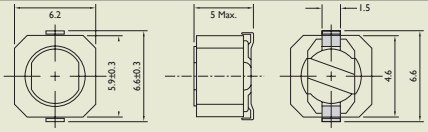
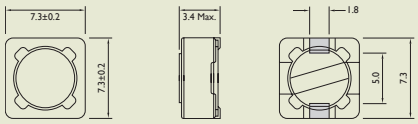
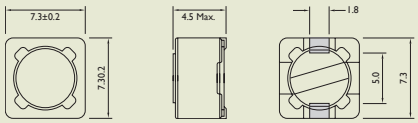
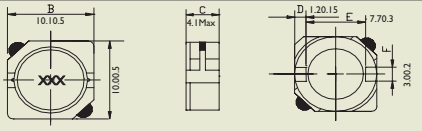
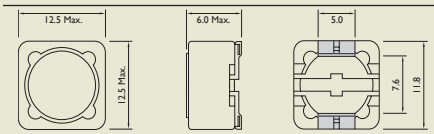
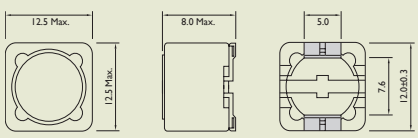
Notebook PCs.

Portable communication equipment.

DC / DC converters, etc.

CONFIGURATION AND DIMENSIONS

Dimensions : mm

TYPE	SHAPES AND DIMENSION
SCDS62T (3.3μH ~ 330μH)	
SCDS64T (10μH ~ 1000μH)	
SCDS73 (10μH ~ 1.0mH)	
SCDS74 (10μH ~ 1.0mH)	
SCDS104R (1.5μH ~ 330μH)	
SCDS125 (10μH ~ 1.0mH)	
SCDS127 (10μH ~ 47mH)	

STANDARD SPECIFICATIONS

PART	INDUCTANCE (H)	D.C.R.(M)MAX. SCDS 62T	SCDS 64T	SCDS 73	SCDS 74	SCDS 104R	SCDS 124	SCDS 125	SCDS 127	RATEDCURRENT(A)MAX. SCDS 62	SCDS 64	SCDS 73	SCDS 74	SCDS 104R	SCDS 124	SCDS 125	SCDS 127
1R0	1.0																
1R2	1.2								7.0								9.80
1R5	1.5					8.1								10.0			
1R8	1.8																
2R2	2.2									1.94							
2R4	2.4								11.5								8.00
2R5	2.5					10.5								7.5			
2R7	2.7																
3R0	3.0																
3R3	3.3	68															
3R5	3.5								13.5								7.50
3R8	3.8					13								6.0			
3R9	3.9						15								6.50		
4R1	4.1																
4R2	4.2																
4R7	4.7	80					18		15.8	1.63					5.70		6.80
5R0	5.0																
5R2	5.2					22								5.5			
5R3	5.3																
5R4	5.4																
5R5	5.5	96								1.40							
5R6	5.6																
6R0	6.0																
6R1	6.1								17.6								6.60
6R2	6.2																
6R8	6.8	100					23			1.33					4.90		
7R0	7.0					27								4.8			
7R3	7.3																
7R4	7.4																
7R6	7.6								20.0								5.90
8R2	8.2	100								1.14							
8R6	8.6																
8R7	8.7																
8R9	8.9																
100	10	150	120	72	49	35	28	25	21.6	1.10	1.35	1.68	1.84	4.4	4.50	4.00	5.40
120	12	200	130	98	58		38	27	24.3	1.00	1.22	1.52	1.71		4.00	3.50	4.90
150	15	230	180	130	81	50	50	30	27.0	0.90	1.11	1.33	1.47	3.6	3.20	3.30	4.50
180	18	270	240	140	91		57	34	39.2	0.80	1.02	1.20	1.31		3.10	3.00	3.90
220	22	340	270	190	110	73	66	36	43.2	0.74	0.91	1.07	1.23	2.9	2.90	2.80	3.60
270	27	380	300	210	150		80	51	45.9	0.66	0.82	0.96	1.12		2.80	2.30	3.40
330	33	450	330	240	170	93	97	57	64.8	0.59	0.74	0.91	0.96	2.3	2.70	2.10	3.00
390	39	490	370	320	230		132	68	72.9	0.54	0.69	0.77	0.91		2.10	2.00	2.75
470	47	690	520	360	260	128	150	75	100	0.50	0.62	0.76	0.88	2.1	1.90	1.80	2.50
560	56	780	560	470	350		190	110	110	0.46	0.58	0.68	0.75		1.80	1.70	2.35
680	68	1070	630	520	380	213	220	120	140	0.42	0.51	0.61	0.69	1.5	1.50	1.50	2.10
820	82	1210	710	690	430		260	140	160	0.38	0.46	0.57	0.61		1.30	1.40	1.95
101	100	1390	1030	790	610	304	308	160	220	0.34	0.42	0.50	0.60	1.35	1.20	1.30	1.70
121	120	1900	1150	890	660		380	170	250	0.31	0.38	0.49	0.52		1.10	1.10	1.60
151	150	2180	1680	1270	880	506	530	230	280	0.28	0.35	0.43	0.46	1.15	0.95	1.00	1.42
181	180	2770	1870	1450	980		620	290	350	0.26	0.32	0.39	0.42		0.85	0.90	1.30
221	220	3120	2080	1650	1170	756	700	400	390	0.23	0.29	0.35	0.36	0.92	0.80	0.80	1.16
271	270	4380	2370	2310	1640		876	460	560	0.22	0.26	0.32	0.34		0.60	0.75	1.06
331	330	4940	2670	2620	1860	1.09	990	510	640	0.19	0.23	0.28	0.32	0.70	0.50	0.68	0.95
391	390		2940	2940	2850			690	700		0.22	0.26	0.29			0.65	0.88
471	470		3930	4180	3010			770	980		0.20	0.24	0.26			0.58	0.79
561	560		5430	4670	3620			860	1070		0.18	0.22	0.23			0.54	0.73
681	680		7320	5730	4630			1200	1460		0.17	0.19	0.22			0.48	0.67
821	820		8240	6540	5200			1340	1640		0.15	0.18	0.20			0.43	0.60
102	1000		9260	9440	6000			1530	1820		0.14	0.16	0.18			0.40	0.55

• Test Freq.(L): SCDS62: 3.3 ~ 8.2H(7.96MHz/1V), 10~82H(2.52MHz/1V), 100 ~ 330H(1KHz/1V)
SCDS64/73/74/125/127: (1KHz/1V)

• Other type — Rated current : The rate current indicastes the current when the inductance decreases to 65%. Over of it's nominal value or D.C.current when the temperature rising Dt =40°C lower, whichever is lower.

• Test Instrument :L : HP4192A LF IMPEDANCE ANALYZER
RDC : CHEN HWA 502BC
Rated current: HP4284+42841A or Ch1061+CH301A

Tolerance Of Inductors
- SCDS62 3.3~330H 20%(M)
- SCDS64 10~1000H 20%(M)
- SCDS73 10~1000H 20%(M)
- SCDS74 10~1000H 20%(M)
- SCDS104R 1.5~330H 30%(T)
- SCDS124 3.9~330H 20%(M)
- SCDS125 1.0~1000H 20%(M)
- SCDS127 1.2~7.6H+40-20%(N)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS62T-3R3 □-N	3.3	7.96MHz,1V	0.068+0	1.94
SCDS62T-3R6 □-N	3.6	7.96MHz,1V	0.08+0	1.63
SCDS62T-4R7 □-N	4.7	7.96MHz,1V	0.08+0	1.63
SCDS62T-5R6 □-N	5.6	7.96MHz,1V	0.96+0	1.4
SCDS62T-6R8 □-N	6.8	7.96MHz,1V	0.1+0	1.33
SCDS62T-8R2 □-N	8.2	7.96MHz,1V	0.1+0	1.14
SCDS62T-100 □-N	10	2.52MHz,1V	0.15+0	1.1
SCDS62T-120 □-N	12	2.52MHz,1V	0.2+0	1
SCDS62T-150 □-N	15	2.52MHz,1V	0.23+0	0.9
SCDS62T-180 □-N	18	2.52MHz,1V	0.27+0	0.8
SCDS62T-220 □-N	22	2.52MHz,1V	0.34+0	0.74
SCDS62T-270 □-N	27	2.52MHz,1V	0.38+0	0.66
SCDS62T-330 □-N	33	2.52MHz,1V	0.45+0	0.59
SCDS62T-390 □-N	39	2.52MHz,1V	0.49+0	0.54
SCDS62T-470 □-N	47	2.52MHz,1V	0.69+0	0.5
SCDS62T-560 □-N	56	2.52MHz,1V	0.78+0	0.46
SCDS62T-680 □-N	68	2.52MHz,1V	1.07+0	0.42
SCDS62T-820 □-N	82	2.52MHz,1V	1.21+0	0.38
SCDS62T-101 □-N	100	1KHz,1V	1.39+0	0.34
SCDS62T-121 □-N	120	1KHz,1V	1.9+0	0.31
SCDS62T-151 □-N	150	1KHz,1V	2.18+0	0.28
SCDS62T-181 □-N	180	1KHz,1V	2.77+0	0.26
SCDS62T-221 □-N	220	1KHz,1V	3.12+0	0.23
SCDS62T-271 □-N	270	1KHz,1V	4.38+0	0.22
SCDS62T-331 □-N	330	1KHz,1V	4.94+0	0.19

NOTE : □-tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

1.Operating temperature range -40°C~85°C

2.Inductance drop = 10% typ. at IDC

"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS64T-100 □ -N	10	1KHz,1V	0.12+0	1.35
SCDS64T-120 □ -N	12	1KHz,1V	0.13+0	1.22
SCDS64T-150 □ -N	15	1KHz,1V	0.18+0	1.11
SCDS64T-180 □ -N	18	1KHz,1V	0.24+0	1.02
SCDS64T-220 □ -N	22	1KHz,1V	0.27+0	0.91
SCDS64T-270 □ -N	27	1KHz,1V	0.3+0	0.82
SCDS64T-330 □ -N	33	1KHz,1V	0.33+0	0.74
SCDS64T-390 □ -N	39	1KHz,1V	0.37+0	0.69
SCDS64T-470 □ -N	47	1KHz,1V	0.52+0	0.62
SCDS64T-560 □ -N	56	1KHz,1V	0.56+0	0.58
SCDS64T-680 □ -N	68	1KHz,1V	0.63+0	0.51
SCDS64T-820 □ -N	82	1KHz,1V	0.71+0	0.46
SCDS64T-101 □ -N	100	1KHz,1V	1.03+0	0.42
SCDS64T-121 □ -N	120	1KHz,1V	1.15+0	0.38
SCDS64T-151 □ -N	150	1KHz,1V	1.68+0	0.35
SCDS64T-181 □ -N	180	1KHz,1V	1.87+0	0.32
SCDS64T-221 □ -N	220	1KHz,1V	2.08+0	0.29
SCDS64T-271 □ -N	270	1KHz,1V	2.37+0	0.26
SCDS64T-331 □ -N	330	1KHz,1V	2.67+0	0.23
SCDS64T-391 □ -N	390	1KHz,1V	2.94+0	0.22
SCDS64T-471 □ -N	470	1KHz,1V	3.93+0	0.2
SCDS64T-561 □ -N	560	1KHz,1V	5.43+0	0.18
SCDS64T-681 □ -N	680	1KHz,1V	7.32+0	0.17
SCDS64T-821 □-N	820	1KHz,1V	8.24+0	0.15
SCDS64T-102 □ -N	1000	1KHz,1V	9.26+0	0.14

NOTE : □ -tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

1.Operating temperature range -40°C~85°C

2.Inductance drop = 10% typ. at IDC

"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS73T-100 □ -N	10	1KHz,1V	0.072+0	1.68
SCDS73T-120 □ -N	12	1KHz,1V	0.098+0	1.52
SCDS73T-150 □ -N	15	1KHz,1V	0.13+0	1.33
SCDS73T-180 □ -N	18	1KHz,1V	0.14+0	1.2
SCDS73T-220 □ -N	22	1KHz,1V	0.19+0	1.07
SCDS73T-270 □ -N	27	1KHz,1V	0.21+0	0.96
SCDS73T-330 □ -N	33	1KHz,1V	0.24+0	0.91
SCDS73T-390 □ -N	39	1KHz,1V	0.32+0	0.77
SCDS73T-470 □ -N	47	1KHz,1V	0.36+0	0.76
SCDS73T-560 □ -N	56	1KHz,1V	0.47+0	0.68
SCDS73T-680 □ -N	68	1KHz,1V	0.52+0	0.61
SCDS73T-820 □ -N	82	1KHz,1V	0.69+0	0.57
SCDS73T-101 □ -N	100	1KHz,1V	0.79+0	0.5
SCDS73T-121 □ -N	120	1KHz,1V	0.89+0	0.49
SCDS73T-151 □ -N	150	1KHz,1V	1.27+0	0.43
SCDS73T-181 □ -N	180	1KHz,1V	1.45+0	0.39
SCDS73T-221 □ -N	220	1KHz,1V	1.65+0	0.35
SCDS73T-271 □ -N	270	1KHz,1V	2.31+0	0.32
SCDS73T-331 □ -N	330	1KHz,1V	2.62+0	0.28
SCDS73T-391 □ -N	390	1KHz,1V	2.94+0	0.26
SCDS73T-471 □ -N	470	1KHz,1V	4.18+0	0.24
SCDS73T-561 □ -N	560	1KHz,1V	4.67+0	0.22
SCDS73T-681 □ -N	680	1KHz,1V	5.73+0	0.19
SCDS73T-821 □ -N	820	1KHz,1V	6.54+0	0.18
SCDS73T-102 □ -N	1000	1KHz,1V	9.44+0	0.16

NOTE : □ -tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

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"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS74T-100 □ -N	10	1KHz,1V	0.049+0	1.84
SCDS74T-120 □ -N	12	1KHz,1V	0.058+0	1.71
SCDS74T-150 □ -N	15	1KHz,1V	0.081+0	1.47
SCDS74T-180 □ -N	18	1KHz,1V	0.091+0	1.31
SCDS74T-220 □ -N	22	1KHz,1V	0.11+0	1.23
SCDS74T-270 □ -N	27	1KHz,1V	0.15+0	1.12
SCDS74T-330 □ -N	33	1KHz,1V	0.17+0	0.96
SCDS74T-390 □ -N	39	1KHz,1V	0.23+0	0.91
SCDS74T-470 □ -N	47	1KHz,1V	0.26+0	0.88
SCDS74T-560 □ -N	56	1KHz,1V	0.35+0	0.75
SCDS74T-680 □ -N	68	1KHz,1V	0.38+0	0.69
SCDS74T-820 □ -N	82	1KHz,1V	0.43+0	0.61
SCDS74T-101 □ -N	100	1KHz,1V	0.61+0	0.6
SCDS74T-121 □ -N	120	1KHz,1V	0.66+0	0.52
SCDS74T-151 □ -N	150	1KHz,1V	0.88+0	0.46
SCDS74T-181 □ -N	180	1KHz,1V	0.98+0	0.42
SCDS74T-221 □ -N	220	1KHz,1V	1.17+0	0.36
SCDS74T-271 □ -N	270	1KHz,1V	1.64+0	0.34
SCDS74T-331 □ -N	330	1KHz,1V	1.86+0	0.32
SCDS74T-391 □ -N	390	1KHz,1V	2.85+0	0.29
SCDS74T-471 □ -N	470	1KHz,1V	3.01+0	0.26
SCDS74T-561 □ -N	560	1KHz,1V	3.62+0	0.23
SCDS74T-681 □ -N	680	1KHz,1V	4.63+0	0.22
SCDS74T-821 □ -N	820	1KHz,1V	5.2+0	0.2
SCDS74T-102 □ -N	1000	1KHz,1V	6.0+0	0.18

NOTE : □ -tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

1.Operating temperature range -40°C~85°C

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"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS104R-1R5 □-N	1.5	100KHz,1V	0.0081+0	10
SCDS104R-2R5 □-N	2.5	100KHz,1V	0.0105+0	7.5
SCDS104R-3R8 □-N	3.8	100KHz,1V	0.013+0	6
SCDS104R-5R2 □-N	5.2	100KHz,1V	0.022+0	5.5
SCDS104R-6R8 □-N	6.8	100KHz,1V	0.027+0	5
SCDS104R-7R0 □-N	7	100KHz,1V	0.027+0	4.8
SCDS104R-100 □-N	10	100KHz,1V	0.035+0	4.4
SCDS104R-150 □-N	15	100KHz,1V	0.050+0	3.6
SCDS104R-220 □-N	22	100KHz,1V	0.073+0	2.9
SCDS104R-330 □-N	33	100KHz,1V	0.093+0	2.3
SCDS104R-390 □-N	39	100KHz,1V	0.128+0	2.1
SCDS104R-470 □-N	47	100KHz,1V	0.128+0	2.1
SCDS104R-680 □-N	68	100KHz,1V	0.213+0	1.5
SCDS104R-820 □-N	82	100KHz,1V	0.290+0	1.4
SCDS104R-101 □-N	100	100KHz,1V	0.304+0	1.35
SCDS104R-151 □-N	150	100KHz,1V	0.506+0	1.15
SCDS104R-201 □-N	200	100KHz,1V	0.756+0	0.92
SCDS104R-221 □-N	220	100KHz,1V	0.756+0	0.92
SCDS104R-331 □-N	330	100KHz,1V	1.090+0	0.7

NOTE : □-tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

1.Operating temperature range -40°C~85°C

2.Inductance drop = 10% typ. at IDC

"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS124T-3R3 □-N	3.3	100KHz,1V	0.015+0	6.5
SCDS124T-3R9 □-N	3.9	100KHz,1V	0.015+0	6.5
SCDS124T-4R7 □-N	4.7	100KHz,1V	0.018+0	5.7
SCDS124T-6R8 □-N	6.8	100KHz,1V	0.023+0	4.9
SCDS124T-100 □-N	10	100KHz,1V	0.028+0	4.5
SCDS124T-120 □-N	12	100KHz,1V	0.038+0	4
SCDS124T-150 □-N	15	100KHz,1V	0.050+0	3.2
SCDS124T-180 □-N	18	100KHz,1V	0.057+0	3.1
SCDS124T-220 □-N	22	100KHz,1V	0.066+0	2.9
SCDS124T-270 □-N	27	100KHz,1V	0.080+0	2.8
SCDS124T-330 □-N	33	100KHz,1V	0.097+0	2.7
SCDS124T-390 □-N	39	100KHz,1V	0.132+0	2.1
SCDS124T-470 □-N	47	100KHz,1V	0.150+0	1.9
SCDS124T-560 □-N	56	100KHz,1V	0.190+0	1.8
SCDS124T-680 □-N	68	100KHz,1V	0.220+0	1.5
SCDS124T-820 □-N	82	100KHz,1V	0.260+0	1.3
SCDS124T-101 □-N	100	100KHz,1V	0.308+0	1.2
SCDS124T-121 □-N	120	100KHz,1V	0.380+0	1.1
SCDS124T-151 □-N	150	100KHz,1V	0.530+0	0.95
SCDS124T-181 □-N	180	100KHz,1V	0.620+0	0.85
SCDS124T-221 □-N	220	100KHz,1V	0.700+0	0.8
SCDS124T-271 □-N	270	100KHz,1V	0.876+0	0.6
SCDS124T-331 □-N	330	100KHz,1V	0.990+0	0.5

NOTE : □-tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

1.Operating temperature range -40°C~85°C

2.Inductance drop = 10% typ. at IDC

"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS125T-3R3 □-N	3.3	1KHz,1V	0.0158+0	8
SCDS125T-4R7 □-N	4.7	1KHz,1V	0.018+0	7.6
SCDS125T-100 □-N	10	1KHz,1V	0.025+0	4
SCDS125T-120 □-N	12	1KHz,1V	0.027+0	3.5
SCDS125T-150 □-N	15	1KHz,1V	0.03+0	3.3
SCDS125T-180 □-N	18	1KHz,1V	0.034+0	3
SCDS125T-220 □-N	22	1KHz,1V	0.036+0	2.8
SCDS125T-270 □-N	27	1KHz,1V	0.051+0	2.3
SCDS125T-330 □-N	33	1KHz,1V	0.057+0	2.1
SCDS125T-390 □-N	39	1KHz,1V	0.068+0	2
SCDS125T-470 □-N	47	1KHz,1V	0.075+0	1.8
SCDS125T-560 □-N	56	1KHz,1V	0.11+0	1.7
SCDS125T-680 □-N	68	1KHz,1V	0.12+0	1.5
SCDS125T-820 □-N	82	1KHz,1V	0.14+0	1.4
SCDS125T-101 □-N	100	1KHz,1V	0.16+0	1.3
SCDS125T-121 □-N	120	1KHz,1V	0.17+0	1.1
SCDS125T-151 □-N	150	1KHz,1V	0.23+0	1
SCDS125T-181 □-N	180	1KHz,1V	0.29+0	0.9
SCDS125T-221 □-N	220	1KHz,1V	0.4+0	0.8
SCDS125T-271 □-N	270	1KHz,1V	0.46+0	0.75
SCDS125T-331 □-N	330	1KHz,1V	0.51+0	0.68
SCDS125T-391 □-N	390	1KHz,1V	0.69+0	0.65
SCDS125T-471 □-N	470	1KHz,1V	0.77+0	0.58
SCDS125T-561 □-N	560	1KHz,1V	0.86+0	0.54
SCDS125T-681 □-N	680	1KHz,1V	1.2+0	0.48
SCDS125T-821 □-N	820	1KHz,1V	1.34+0	0.43
SCDS125T-102 □-N	1000	1KHz,1V	1.53+0	0.4

NOTE : □-tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

1.Operating temperature range -40°C~85°C

2.Inductance drop = 10% typ. at IDC

"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

TYPE	Inductance(μH)	Test Freq	RDC(Ω)Max	IDC(A)Max
SCDS127T-1R2 □-N	1.2	100KHz,1V	0.007+0	9.8
SCDS127T-2R4 □-N	2.4	100KHz,1V	0.0115+0	8
SCDS127T-3R3 □-N	3.3	100KHz,1V	0.0135+0	7.5
SCDS127T-3R5 □-N	3.5	100KHz,1V	0.0135+0	7.5
SCDS127T-4R7 □-N	4.7	100KHz,1V	0.0158+0	6.8
SCDS127T-6R1 □-N	6.1	100KHz,1V	0.0176+0	6.6
SCDS127T-7R6 □-N	7.6	100KHz,1V	0.02+0	5.9
SCDS127T-100 □-N	10	1KHz,1V	0.0216+0	5.4
SCDS127T-120 □-N	12	1KHz,1V	0.0243+0	4.9
SCDS127T-150 □-N	15	1KHz,1V	0.027+0	4.5
SCDS127T-180 □-N	18	1KHz,1V	0.0392+0	3.9
SCDS127T-220 □-N	22	1KHz,1V	0.0432+0	3.6
SCDS127T-270 □-N	27	1KHz,1V	0.0459+0	3.4
SCDS127T-330 □-N	33	1KHz,1V	0.0648+0	3
SCDS127T-390 □-N	39	1KHz,1V	0.0729+0	2.75
SCDS127T-470 □-N	47	1KHz,1V	0.1+0	2.5
SCDS127T-560 □-N	56	1KHz,1V	0.11+0	2.35
SCDS127T-680 □-N	68	1KHz,1V	0.14+0	2.1
SCDS127T-820 □-N	82	1KHz,1V	0.16+0	1.95
SCDS127T-101 □-N	100	1KHz,1V	0.22+0	1.7
SCDS127T-121 □-N	120	1KHz,1V	0.25+0	1.6
SCDS127T-151 □-N	150	1KHz,1V	0.28+0	1.42
SCDS127T-181 □-N	180	1KHz,1V	0.35+0	1.3
SCDS127T-221 □-N	220	1KHz,1V	0.39+0	1.16
SCDS127T-271 □-N	270	1KHz,1V	0.56+0	1.06
SCDS127T-331 □-N	330	1KHz,1V	0.64+0	0.95
SCDS127T-391 □-N	390	1KHz,1V	0.7+0	0.88
SCDS127T-471 □-N	470	1KHz,1V	0.98+0	0.79
SCDS127T-561 □-N	560	1KHz,1V	1.07+0	0.73
SCDS127T-681 □-N	680	1KHz,1V	1.46+0	0.67
SCDS127T-821 □-N	820	1KHz,1V	1.64+0	0.6
SCDS127T-102 □-N	1000	1KHz,1V	1.82+0	0.55

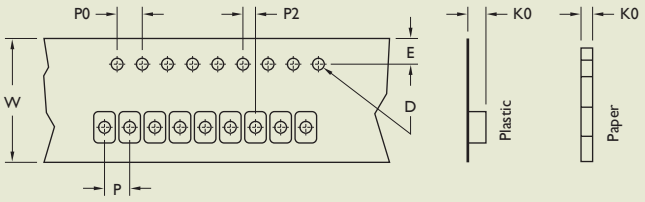
NOTE : □-tolerance K=±10% / =±15% / M=±20% / N=+40% -20%

1.Operating temperature range -40°C~85°C

2.Inductance drop = 10% typ. at IDC

"-N"FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

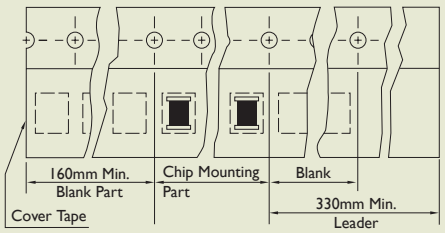
TAPE DIMENSIONS



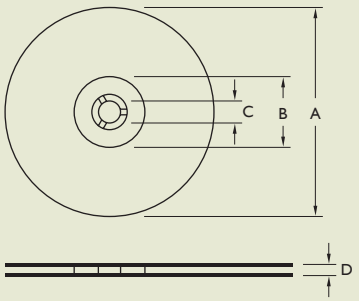
TAPE MATERIAL

Carrier Tape : Polystyrene

Cover Type : Polyethylene

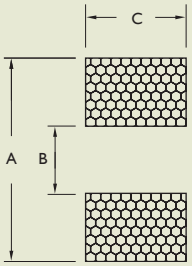


REEL DIMENSIONS



RECOMMENDED PATTERN

Land Pattern



Dimensions : mm

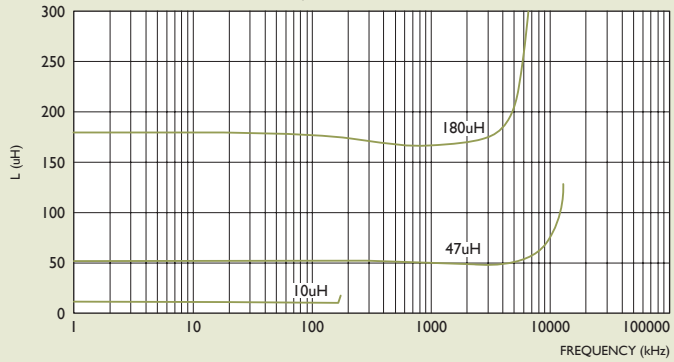
TYPE	TAPE DIMENSIONS							RECOMMENDED PATTERN			REEL DIMENSIONS				QUANTITY
	K0	D	E	W	P	P0	P2	A	B	C	A	B	C	D	PCS/REEL
SCDS62	3.4	1.55	1.75	16	12	4	2	8.1	4	2.5	330	100	13	17.4	1500
SCDS64	4.9	1.55	1.75	16	12	4	2	8.1	4	2.5	330	100	13	17.4	1000
SCDS73	3.6	1.55	1.75	16	12	4	2	8.4	4.4	2.2	330	100	13	17.4	1600
SCDS74	5.0	1.55	1.75	16	12	4	2	8.4	4.4	2.2	330	100	13	17.4	1000
SCDS124	5.1	1.55	1.75	24	16	4	2	13	7	5.4	330	100	13	24.4	500
SCDS125	6.7	1.55	1.75	24	16	4	2	13	7	5.4	330	100	13	24.4	600
SCDS127	8.7	1.55	1.75	24	16	4	2	13	7	5.4	330	100	13	24.4	500
SCDS104R	4.1	1.50	1.75	24	16	4	2	10.7	7.3	3.2	330	100	13	24.4	1000

TYPICAL ELECTRICAL CHARACTERISTICS

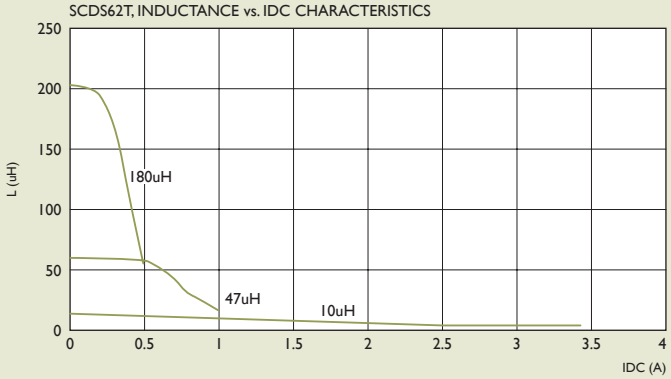
Curves of SCDS Series

Test Instruments : HP4291A Impedance / Material Analyzer

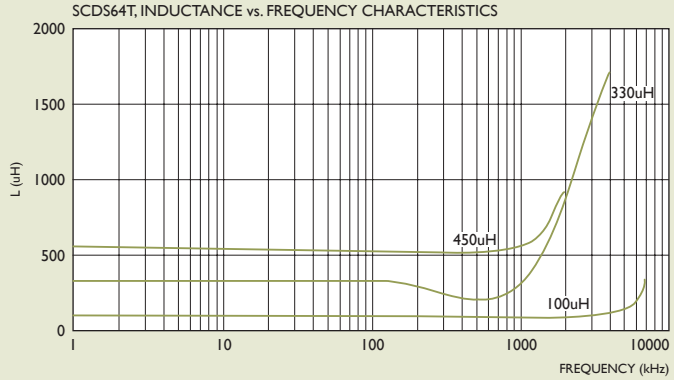
SCDS62T, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



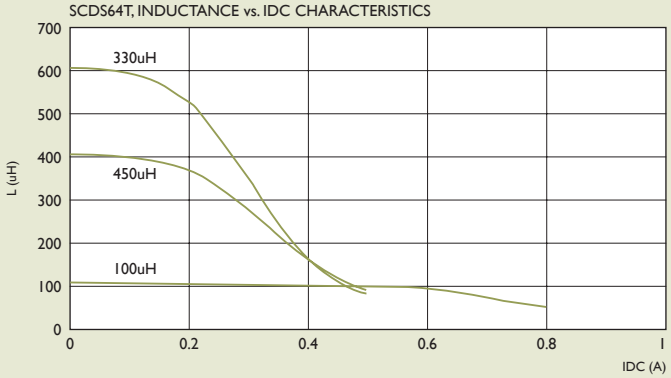
SCDS62T, INDUCTANCE vs. IDC CHARACTERISTICS



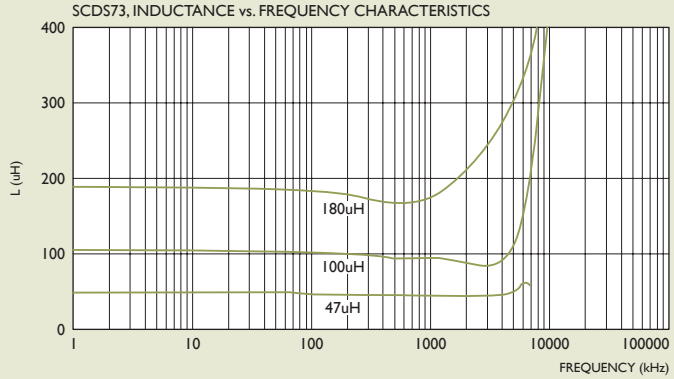
SCDS64T, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



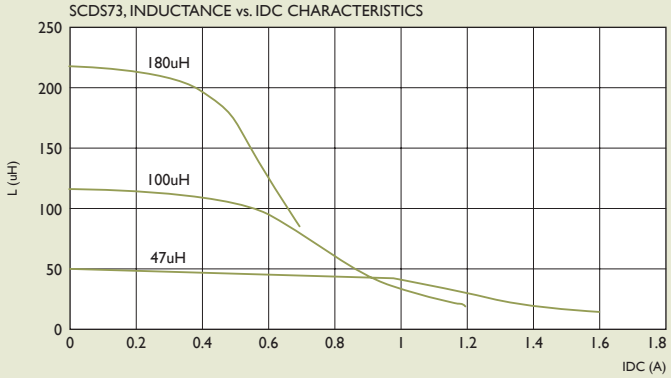
SCDS64T, INDUCTANCE vs. IDC CHARACTERISTICS



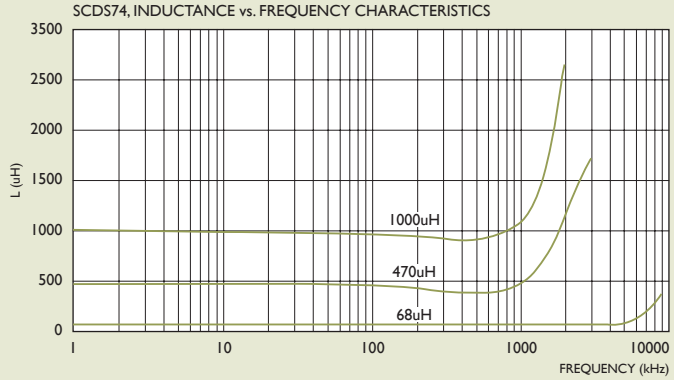
SCDS73, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



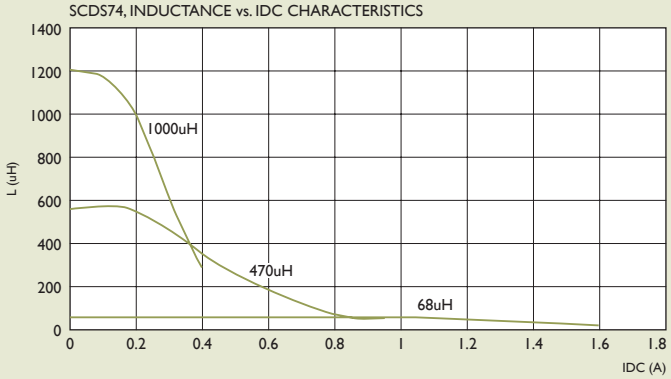
SCDS73, INDUCTANCE vs. IDC CHARACTERISTICS



SCDS74, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



SCDS74, INDUCTANCE vs. IDC CHARACTERISTICS

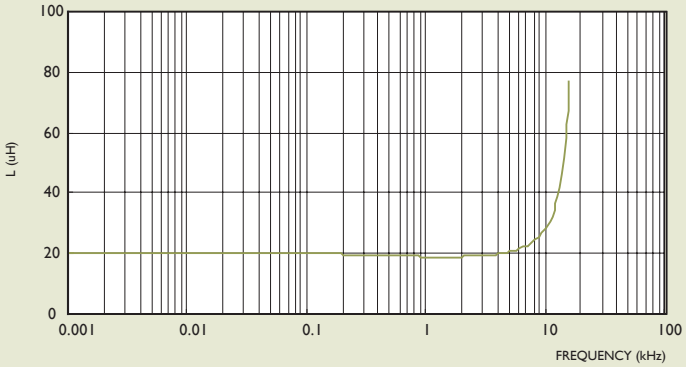


TYPICAL ELECTRICAL CHARACTERISTICS

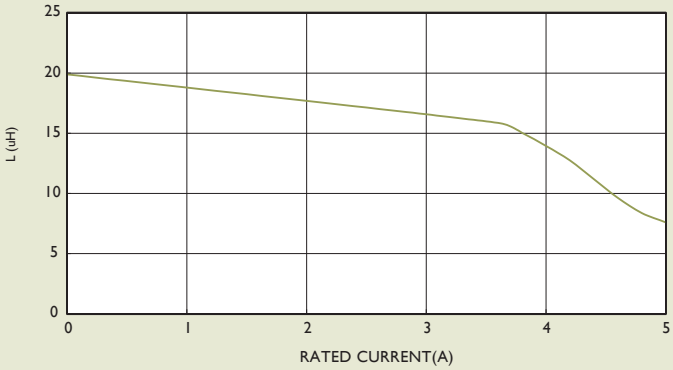
TCurves of SCDS Series

Test Instruments : HP4291A Impedance / Material Analyzer

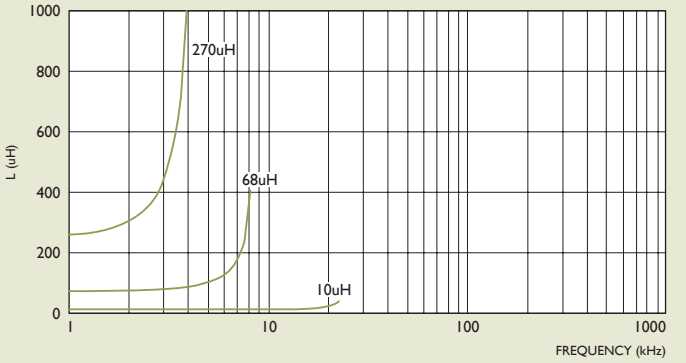
SCDS104R-220MS, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



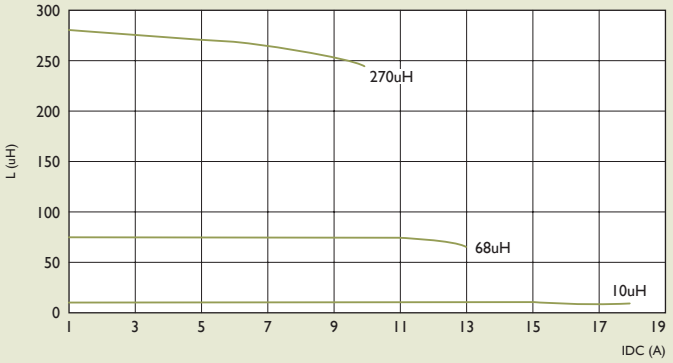
SCDS104R-220M-S



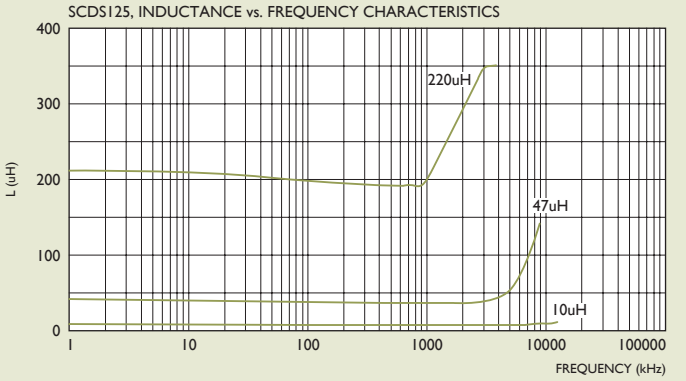
SCDS124, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



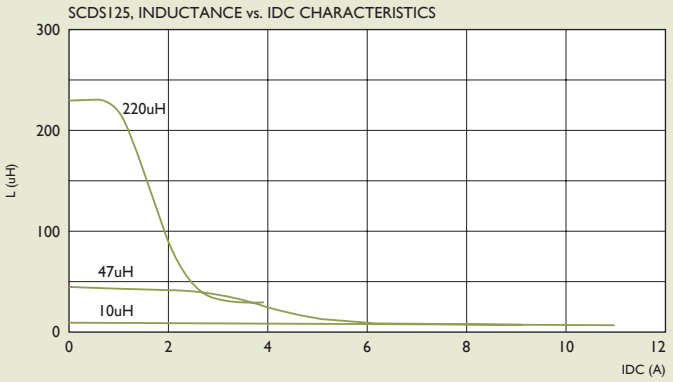
SCDS124, INDUCTANCE vs. IDC CHARACTERISTICS



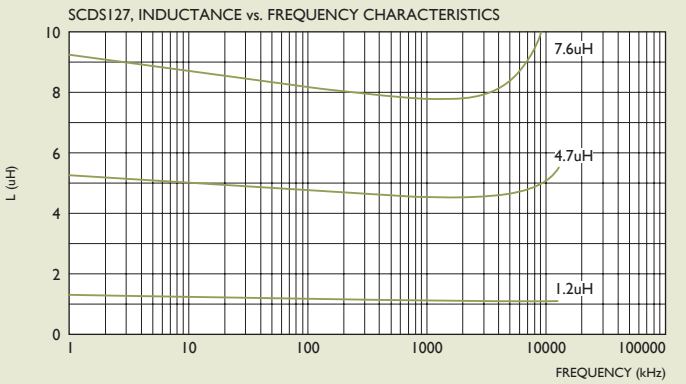
SCDS125, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



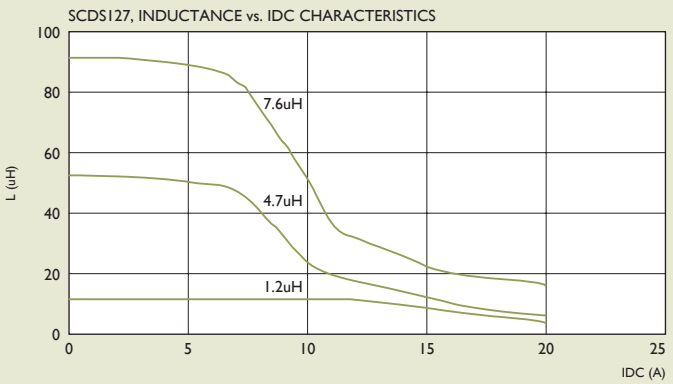
SCDS125, INDUCTANCE vs. IDC CHARACTERISTICS



SCDS127, INDUCTANCE vs. FREQUENCY CHARACTERISTICS



SCDS127, INDUCTANCE vs. IDC CHARACTERISTICS



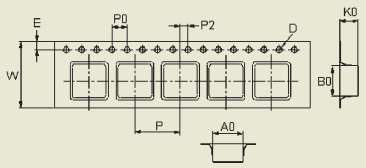
TYPICAL ELECTRICAL CHARACTERISTICS

Test Instruments : HP4291A Impedance / Material Analyzer

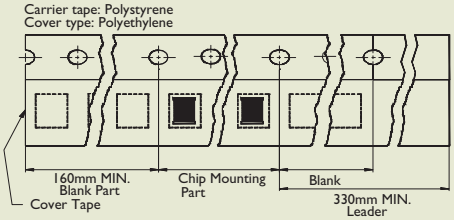
Packaging Specifications

SCDS 2D11 ~ 6D38

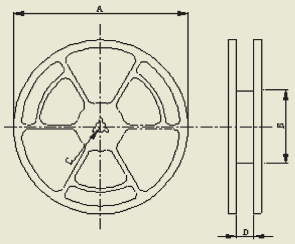
Tape Dimensions



Tape Material



Reel Dimensions

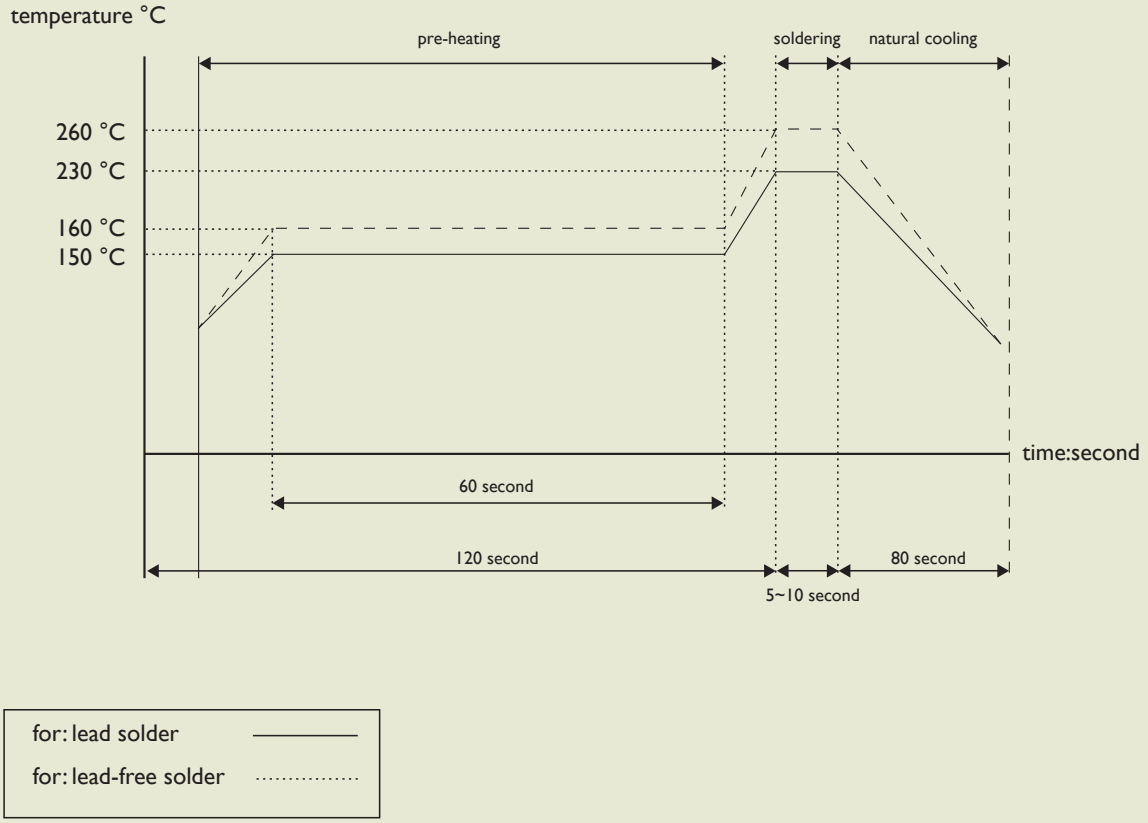


Dimensions : mm

TYPE	TAPA DIMENSIONS									REEL DIMENSIONS				QUANTITY	RECOMMENDED PATTERN	
	A0	B0	K0	D	E	W	P	P0	P2	A	B	C	D	PCS/REEL	A	B
ZSCD2D11	3.3	3.3	1.3	1.5	1.75	12	8	4	2	178	60	13	13.2	1500	1.3	1.7
SCD2D14	3.3	3.3	1.6	1.5	1.75	12	8	4	2	178	60	13	13.2	1000	1.3	1.7
SCDS2S18LD	3.3	3.3	1.9	1.5	1.75	12	8	4	2	178	60	13	13.2	1000	1.3	1.7
SCDS2S18HP	3.3	3.3	1.9	1.5	1.75	12	8	4	2	178	60	13	13.2	1000	1.3	1.7
SCDS3D12	4.2	4.2	1.25	1.5	1.75	12	8	4	2	330	100	13	13.4	5000	4.6	1.6
SCDS3D16	4.3	4.3	2.1	1.5	1.75	12	8	4	2	178	60	13	13.2	1000	1.4	2.4
SCDS4D18	5.3	5.3	2.4	1.5	1.75	12	8	4	2	330	100	13	13.4	2000	1.9	1.5
SCDS4D28	5.3	5.3	3.4	1.5	1.75	12	8	4	2	330	100	13	13.4	2000	1.9	1.5
SCDS5D18	6.2	6.2	2.2	1.5	1.75	12	8	4	2	330	100	13	13.4	2000	2.15	2.0
SCDS5D28	6.2	6.2	3.2	1.5	1.75	12	8	4	2	330	100	13	13.4	2000	2.15	2.0
SCDS6D28	7.2	7.2	3.2	1.5	1.75	16	12	4	2	330	100	13	17.4	1500	2.65	2.0
SCDS6D38	7.1	7.1	4.1	1.5	1.75	16	12	4	2	330	100	13	17.4	1000	2.65	2.0

RECOMMEND SOLDERING CONDITIONS

for:CL/ CLH/ SQV/ SMD power inductors/ SMD Chip Beads/ SMD Filters, Transformers, Current Sensors



for: lead solder ——————

for: lead-free solder ·····