

SMD Shielded Power Inductors – SCDS Series

SCDS Series

High Energy Storage & Lower Power Losses

Feature

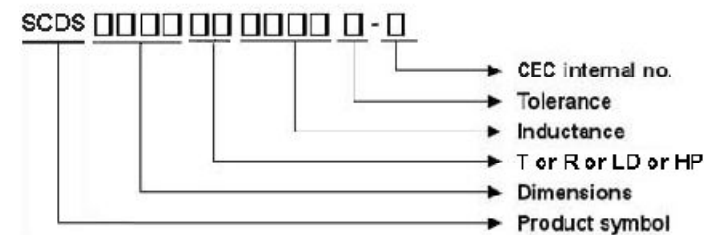
- Available in magnetically shielded.
- Low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC – DC converter inductor applications.
- Available on tape and reel for auto surface mounting.

Applications

- Power supply for VTRs.
- OA equipment.
- LCD televisions.
- Notebook PCs.
- Portable communication equipment.
- DC / DC converters, etc.

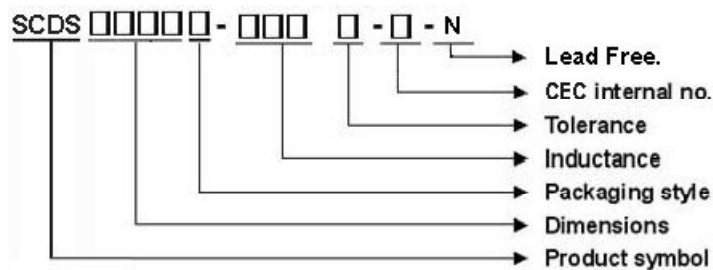
Product Identification

other



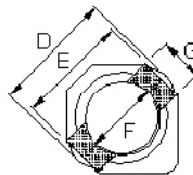
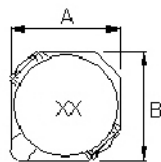
- T : Packaging: Tape and Reel
- HP : High Power
- LD : Low DCR
- CEC Internal No.: S: Base type terminals
- Note: lead-free

SCDS3D16



SCDS2D09/2D11/2D14/2D18LD/ 2D18HP

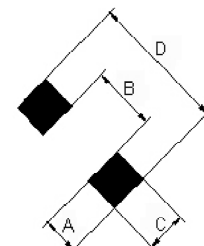
Shapes and Dimensions



Dimension in mm

TYPE	A	B	C	D	E	F	G
SCDS2D09	3.2 ⁺⁰	3.2 ⁺⁰	1.0 ⁺⁰	4.5 ⁺⁰	3.3	2.1	1.0
SCDS2D11	3.2 ⁺⁰	3.2 ⁺⁰	1.2 ⁺⁰	4.5 ⁺⁰	3.3	2.1	1.0
SCDS2D14	3.2 ⁺⁰	3.2 ⁺⁰	1.55 ⁺⁰	4.5 ⁺⁰	3.3	2.1	1.0
SCDS2D18LD	3.2 ⁺⁰	3.2 ⁺⁰	2.0 ⁺⁰	4.5 ⁺⁰	3.3	2.1	1.0
SCDS2D18HP	3.2 ⁺⁰	3.2 ⁺⁰	2.0 ⁺⁰	4.5 ⁺⁰	3.3	2.1	1.0

Recommended Pattern



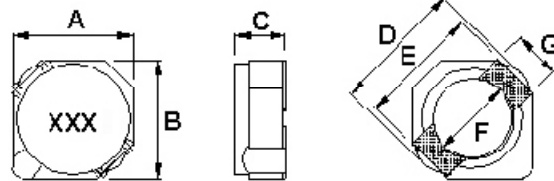
Dimensions in mm

TYPE	A	B	C	D
SCDS2D09	1.3	1.7	1.3	4.3
SCDS2D11	1.3	1.7	1.3	4.3
SCDS2D14	1.3	1.7	1.3	4.3
SCDS2D18LD	1.3	1.7	1.3	4.3
SCDS2D18HP	1.3	1.7	1.3	4.3

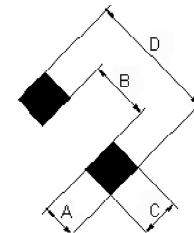
SMD Shielded Power Inductors – SCDS Series

SCDS3D11/3D11HP

Shapes and Dimensions



Recommended Pattern



Dimension in mm

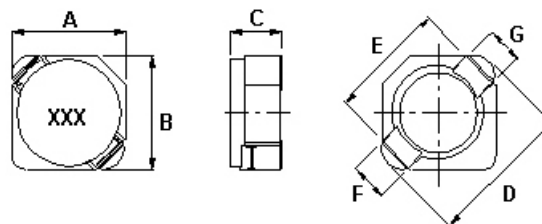
TYPE	A	B	C	D	E	F	G
SCDS3D11	4 ⁺⁰	4 ⁺⁰	1.2 ⁺⁰	5.2 ⁺⁰	4.4	2.8	1.1
SCDS3D11HP	4 ⁺⁰	4 ⁺⁰	1.2 ⁺⁰	5.2 ⁺⁰	4.4	2.8	1.1

Dimensions in mm

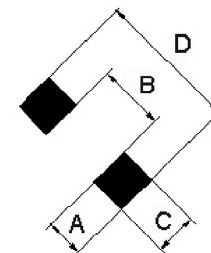
TYPE	A	B	C	D
SCDS3D11	1.4	2.4	1.5	5.2
SCDS3D11HP	1.4	2.4	1.5	5.2

SCDS 3D16T-XXX-S1-N

Shapes and Dimensions



Recommended Pattern



Dimensions in mm

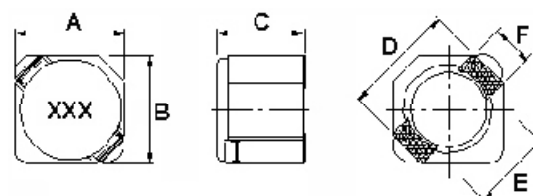
TYPE	A	B	C	D	E	F	G
SCDS3D16	4 ⁺⁰	4 ⁺⁰	1.8 ⁺⁰	5.2 ⁺⁰	4.4Typ	1.4 ⁺⁰	1.1Typ

Dimension in mm

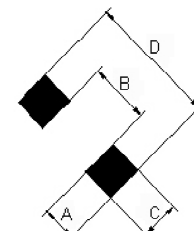
TYPE	A	B	C	D
SCDS3D16	1.4	2.4	1.5	5.2

SCDS3D28/3D28LD

Shapes and Dimensions



Recommended Pattern



Dimension in mm

TYPE	A	B	C	D	E	F
SCDS3D28	4 ⁺⁰	4 ⁺⁰	3 ⁺⁰	4.4	2.8	1.1
SCDS3D28LD	4 ⁺⁰	4 ⁺⁰	3 ⁺⁰	4.4	2.8	1.1

Dimensions in mm

TYPE	A	B	C	D
SCDS3D28	1.4	2.4	1.5	5.2
SCDS3D28LD	1.4	2.4	1.5	5.2

SMD Shielded Power Inductors – SCDS Series

Stamp	Inductance (μ H)	D.C.R (m Ω) Max									
		SCDS 2D09	SCDS 2D11	SCDS 2D14	SCDS 2D18LD	SCDS 2D18HP	SCDS 3D11	SCDS 3D11HP	SCDS 3D16	SCDS 3D28	SCDS 3D28LD
R60	0.6							59			
1R0	1.0								40		
1R2	1.2	97.5						82			
1R5	1.5	110	68	63				104	52		
1R7	1.7					44					
1R8	1.8	131.3		75							
2R2	2.2	143.8	98	94	41	60		143	72		
2R7	2.7	150		106			78				
3R3	3.3	193.8	123	125	54	86		182	85	72.1	
3R9	3.9	225		138							
4R7	4.7	287.5	170	169	78	140	123	234	105	88.3	
5R6	5.6	325		188					135		
6R3	6.3					160					
6R8	6.8	425.	260	213	106		180	377	170	119	
8R2	8.2	475		281			204				
100	10	537.5	400	294	180	245	240	413	210	145	95
120	12			394			276	585			100
150	15				220	345	372	653	295	213	115
180	18						468	888			125
220	22				320		540	1010	430	335	145
270	27						726				175
330	33				460		822		675	481	215
390	39						942				225
470	47				660					599	305
560	56										325
680	68										470
820	82										540
101	100								2750		610
121	120										755
151	150										880
181	180										1130
221	220										1270

SMD Shielded Power Inductors – SCDS Series

Stamp	Inductance (μ H)	Rated Current (A)									
		SCDS 2D09	SCDS 2D11	SCDS 2D14	SCDS 2D18LD	SCDS 2D18HP	SCDS 3D11	SCDS 3D11HP	SCDS 3D16	SCDS 3D28	SCDS 3D28LD
R60	0.6							2.90			
1R0	1.0								1.60		
1R2	1.2	0.8						2.00			
1R5	1.5	0.73	0.90	1.80				1.85	1.55		
1R7	1.7					1.85					
1R8	1.8	0.65		1.65							
2R2	2.2	0.60	0.78	1.50	0.85	1.60		1.60	1.20		
2R7	2.7	0.53		1.35			0.53				
3R3	3.3	0.47	0.60	1.20	0.75	1.45		1.25	1.10	2.00	
3R9	3.9	0.45		1.10							
4R7	4.7	0.41	0.50	1.00	0.63	1.20	0.40	1.00	0.90	1.65	
5R6	5.6	0.37		0.95					0.80		
6R3	6.3					1.05					
6R8	6.8	0.33	0.44	0.85	0.52		0.34	0.85	0.73	1.24	
8R2	8.2	0.30		0.80			0.32				
100	10	0.28	0.35	0.70	0.43	0.85	0.28	0.80	0.55	1.05	0.50
120	12			0.62			0.25	0.64			0.45
150	15				0.35	0.70	0.23	0.58	0.45	0.90	0.40
180	18						0.21	0.52			0.35
220	22				0.30		0.19	0.45	0.40	0.76	0.33
270	27						0.17				0.29
330	33				0.24		0.15		0.32	0.58	0.28
390	39						0.14				0.25
470	47				0.20					0.48	0.23
560	56										0.20
680	68										0.185
820	82										0.172
101	100								0.13		0.160
121	120										0.136
151	150										0.124
181	180										0.119
221	220										0.116

Test Freq. (L): SCDS 2D09/ 2D11/ 2D14/ 2D18LP/2D18HP/3D11/3D11HP/3D28/3D28LD (100KHz/ 1V)
SCDS 3D16 (100KHz/ 0.1V)

Other type: Rated current: The rated current indicates the current when the inductance decrease to 65%. Over of it's nominal value or D.C. current when the temperature rising $\Delta t=40^{\circ}\text{C}$ lower, whichever is lower.

Test Instrument: L: HP4192A LF Impedance analyzer

RDC: CH502BC

Rated Current: HP4284+42841A or CH1061 + CH301A

Tolerance Of Inductors

- SCDS 2D09 1.2 ~ 10 μ H $\pm 30\%$
- SCDS 2D11 1.5 ~ 10 μ H $\pm 30\%$
- SCDS 2D14 1.5 ~ 12 μ H $\pm 30\%$
- SCDS 2D18LD 2.2 ~ 47 μ H $\pm 30\%$
- SCDS 2D18HP 1.7 ~ 15 μ H $\pm 30\%$
- Tolerance : M = $\pm 20\%$, T = $\pm 30\%$, N = $^{+40}_{-20}\%$
- SCDS3D11 2.7 ~ 39 μ H $\pm 30\%$
- SCDS3D11HP 0.6 ~ 22 μ H $\pm 30\%$
- SCDS3D16 1.0 ~ 100 μ H $\pm 30\%$
- SCDS3D28 3.3 ~ 47 μ H $\pm 30\%$
- SCDS3D28LD 10 ~ 220 μ H $\pm 30\%$



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SCDS Series

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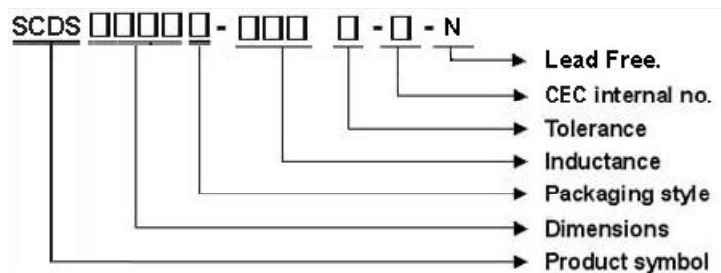
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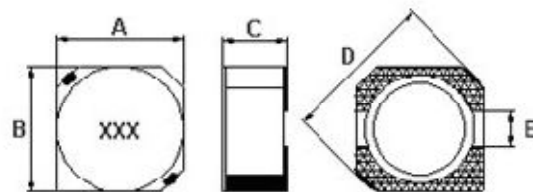
Product Identification



- T : Packaging: Tape and Reel
- CEC Internal No.: S: Base type terminals
- Note: lead-free

SCDS 3D16T-XXX-S-N

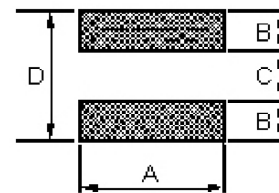
Shapes and Dimensions



Dimensions in mm

TYPE	A	B	C	D	E
SCDS3D16	4 ⁺⁰	4 ⁺⁰	1.8 ⁺⁰	5.2 ⁺⁰	1.0

Recommended Pattern

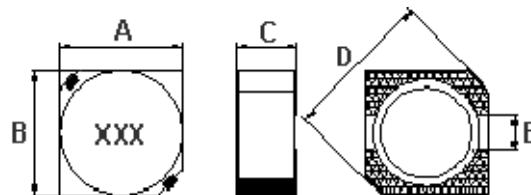


Dimension in mm

TYPE	A	B	C	D
SCDS3D16	4.6	1.6	1.4	4.6

SCDS 4D18 ~ 6D38

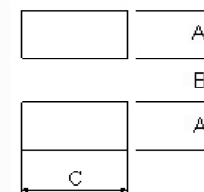
Shapes and Dimensions



Dimension in mm

TYPE	A	B	C	D	E
SCDS4D18	4.7 ± 0.3	4.7 ± 0.3	2.0 ⁺⁰	6.9 ⁺⁰	1.5
SCDS4D28	4.7 ± 0.3	4.7 ± 0.3	3.0 ⁺⁰	6.9 ⁺⁰	1.5
SCDS4D40	4.7 ± 0.3	4.7 ± 0.3	4 ⁺⁰	6.9 ⁺⁰	1.5
SCDS5D18	5.7 ± 0.3	5.7 ± 0.3	2.0 ⁺⁰	8.2 ⁺⁰	2.0
SCDS5D28	5.7 ± 0.3	5.7 ± 0.3	3.0 ⁺⁰	8.2 ⁺⁰	2.0
SCDS6D28	6.7 ± 0.3	6.7 ± 0.3	3.0 ⁺⁰	9.5 ⁺⁰	2.0
SCDS6D38	7 ⁺⁰	7 ⁺⁰	4 ⁺⁰	9.5 ⁺⁰	2.0

Recommended Pattern



Dimension in mm

TYPE	A	B	C
SCDS4D18	1.9	1.5	5.3
SCDS4D28	1.9	1.5	5.3
SCDS4D40	1.9	1.5	5.3
SCDS5D18	2.15	2.0	6.3
SCDS5D28	2.15	2.0	6.3
SCDS6D28	2.65	2.0	7.3
SCDS6D38	2.65	2.0	7.3

SMD Shielded Power Inductors – SCDS Series

Stamp	Inductance (μ H)	D.C.R (m Ω) Max								Rated Current (A)							
		SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS	SCDS
		3D16	4D18	4D28	4D40	5D18	5D28	6D28	6D38	3D16	4D18	4D28	4D40	5D18	5D28	6D28	6D38
1R0	1.0		45								1.72						
1R2	1.2			23.6								2.56					
1R5	1.5	52								1.55							
1R7	1.7																
1R8	1.8			27.5								2.20					
2R2	2.2	72	75	31.3	22					1.20	1.32	2.04	4.6				
2R5	2.5					18									2.60		
2R7	2.7		105	43.3							1.28	1.60					
3R0	3.0						24	24							2.40	3.00	
3R3	3.3	85	110	49.2	33				20	1.10	1.04	1.57	3.4				3.50
3R9	3.9		155	64.8				27			0.88	1.44				2.60	
4R1	4.1					57								1.95			
4R2	4.2						31								2.20		
4R7	4.7	105	162	72.0	44					0.90	0.84	1.32	2.8				
5R0	5.0							31	24							2.40	2.90
5R3	5.3						38								1.90		
5R4	5.4					76								1.60			
5R6	5.6		170	100.9							0.80	1.17					
6R0	6.0							35								2.25	
6R2	6.2					96	45		27					1.40	1.80		2.50
6R3	6.3																
6R8	6.8	170	200	108.9	46					0.73	0.76	1.12	2.6				
7R3	7.3							54								2.10	
7R4	7.4								31								2.30
8R2	8.2		245	117.5			53				0.68	1.04			1.60		
8R6	8.6							58								1.85	
8R7	8.7								34								2.20
8R9	8.9					116								1.25			
100	10	210	280	128.3	150	124	65	65	38	0.55	0.61	1.00	1.8	1.20	1.30	1.70	2.00
120	12		320	131.6		153	76	70	53		0.56	0.84		1.10	1.20	1.55	1.70
150	15	295	360	149.0	210	196	103	84	57	0.45	0.50	0.76	1.6	0.97	1.10	1.40	1.60
180	18		400	166.0		210	110	95	92		0.48	0.72		0.85	1.00	1.32	1.50
220	22	430	480	235.0	270	290	122	128	96	0.40	0.41	0.70	1.4	0.80	0.90	1.20	1.30
270	27		570	261.0		330	175	142	109		0.35	0.58		0.75	0.85	1.05	1.20
330	33	675	694	331.3		386	189	165	124	0.32	0.32	0.56		0.65	0.75	0.97	1.10
390	39		800	383.7		520	212	210	138		0.30	0.50		0.57	0.70	0.86	1.00
470	47		950	587.0		595	250	238	150		0.28	0.48		0.54	0.62	0.80	0.95
560	56		1080	624.5		665	305	277	202		0.26	0.41		0.50	0.58	0.73	0.85
680	68		1300	699.0		840	355	304	234		0.24	0.35		0.43	0.52	0.65	0.75
820	82			914.8		978	463	390	324			0.32		0.41	0.46	0.60	0.70
101	100			1020		1200	520	535	358			0.29		0.36	0.42	0.54	0.65
121	120			1270								0.27					
151	150			1350								0.24					
181	180			1540								0.22					



SMD Shielded Power Inductors – SCDS Series

Test Freq. (L): SCDS 3D16(100KHz/ 0.1V) , 4D28/ 4D40 (100KHz/ 1V) , SCDS 5D18/ 5D28/ 6D28/ 6D38 (10KHz/ 1V)
SCDS 127: 1.2~7.6μH (100KHz/ 1V) 10~1000μH (1KHz /1V)
SCDS 4D18: 1.0~8.2μH (7.96MHz/ 1V), 10~39μH (100KHz/ 1V)

Other type: Rated current: The rated current indicates the current when the inductance decrease to 65%. Over of it's nominal value or D.C. current when the temperature rising $\Delta t=40^{\circ}\text{C}$ lower, whichever is lower.

Test Instrument: L: HP4192A LF Impedance analyzer

RDC: CH502BC

Rated Current: HP4284+42841A or CH1061 + CH301A

Tolerance Of Inductors

- | | | | |
|--|-------------------|-------------|-------------------|
| ● SCDS 3D16 | 1.5 ~ 33μH ± 30% | ● SCDS 5D18 | 4.1 ~ 100μH ± 30% |
| ● SCDS 4D18 | 1.0 ~ 68μH ± 30% | ● SCDS 5D28 | 2.5 ~ 100μH ± 30% |
| ● SCDS 4D28 | 1.2 ~ 180μH ± 30% | ● SCDS 6D28 | 3.0 ~ 100μH ± 30% |
| ● SCDS 4D40 | 2.2 ~ 22μH ± 30% | ● SCDS 6D38 | 3.3 ~ 100uH ± 30% |
| ● Tolerance : M = ±20% , T = ±30% , N = $^{+40}_{-20}\%$ | | | |

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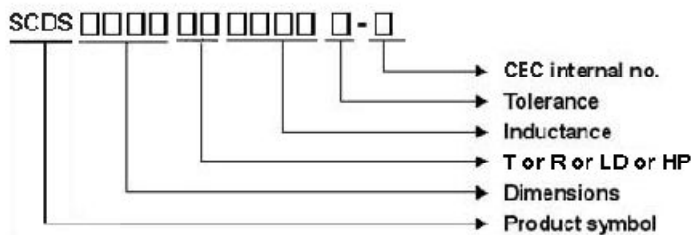
Feature

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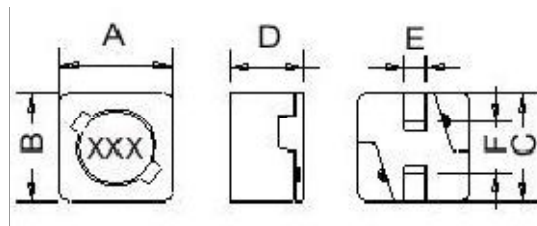
Product Identification



- T : Packaging: Tape and Reel
- CEC Internal No.:
- Note: lead-free

SCDS 62T/ 64T

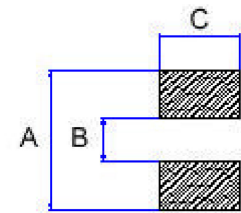
Shapes and Dimensions



Dimensions in mm

TYPE	A	B	C	D	E	F
SCDS62	6.2±0.3	5.9±0.3	6.0±0.3	3 ⁺⁰	1.5	2.8
SCDS64	6.2±0.3	5.9±0.3	6.0±0.3	5 ⁺⁰	1.5	2.8

Recommended Pattern



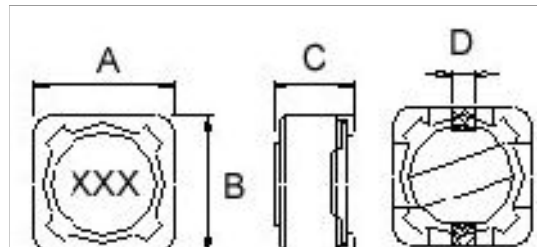
Land Pattern

Dimensions in mm

TYPE	A	B	C
SCDS62	8.1	4	2.5
SCDS64	8.1	4	2.5

SCDS 73/ 74

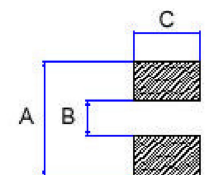
Shapes and Dimensions



Dimension in mm

TYPE	A	B	C	D
SCDS73	7.3±0.2	7.3±0.2	3.4 ⁺⁰	1.8
SCDS74	7.3±0.2	7.3±0.2	4.5 ⁺⁰	1.8

Recommended Pattern



Land Pattern

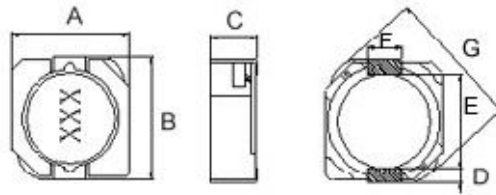
Dimension in mm

TYPE	A	B	C
SCDS73	8.4	4.4	2.2
SCDS74	8.4	4.4	2.2

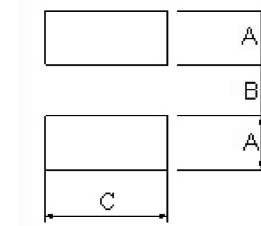
SMD Shielded Power Inductors – SCDS Series

SCDS 103R/104R/ 105R

Shapes and Dimensions



Recommended Pattern



Dimensions in mm

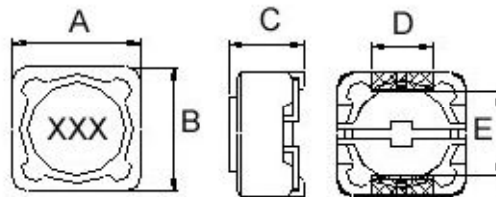
TYPE	A	B	C	D	E	F	G
SCDS103R	10.3 ⁺⁰	10.5 ⁺⁰	3.1 ⁺⁰	1.2	7.7	3.0	13.5 ⁺⁰
SCDS104R	10.3 ⁺⁰	10.5 ⁺⁰	4 ⁺⁰	1.2	7.7	3.0	13.5 ⁺⁰
SCDS105R	10.3 ⁺⁰	10.5 ⁺⁰	5.1 ⁺⁰	1.2	7.7	3.0	13.5 ⁺⁰

Dimension in mm

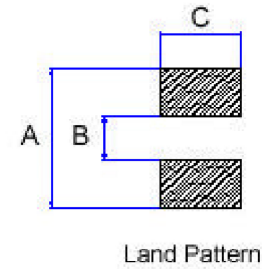
TYPE	A	B	C
SCDS103R	1.6	7.3	3.2
SCDS104R	1.6	7.3	3.2
SCDS105R	1.6	7.3	3.2

SCDS 124/125/127

Shapes and Dimensions



Recommended Pattern



Dimensions in mm

TYPE	A	B	C	D	E
SCDS124	12.5 ⁺⁰	12.5 ⁺⁰	4.5 ⁺⁰	5	7.6
SCDS125	12.5 ⁺⁰	12.5 ⁺⁰	6 ⁺⁰	5	7.6
SCDS127	12.5 ⁺⁰	12.5 ⁺⁰	8 ⁺⁰	5	7.6

Dimensions in mm

TYPE	A	B	C
SCDS124	13	7	5.4
SCDS125	13	7	5.4
SCDS127	13	7	5.4

SMD Shielded Power Inductors – SCDS Series

Standard Specifications

Stamp	Inductance (μ H)	D.C.R (m Ω) Max									
		SCDS 62T	SCDS 64T	SCDS 73	SCDS 74	SCDS 103R	SCDS 104R	SCDS 105R	SCDS 124	SCDS 125	SCDS 127
R80	0.8							4.3			7.0
1R2	1.2										
1R5	1.5						8.1	5.8			11.5
2R2	2.2							7.2			
2R4	2.4										
2R5	2.5						10.5				13.5
3R3	3.3	68						10.4			
3R5	3.5										
3R8	3.8						13				
3R9	3.9								15		
4R7	4.7	80				30		12.3	18		15.8
5R2	5.2						22				17.6
5R5	5.5	96									
6R1	6.1										
6R8	6.8	100				35		18	23		
7R0	7.0						27				20.0
7R6	7.6										
8R2	8.2	100						20			21.6
100	10	150	120	72	49	59	35	26	28	25	
120	12	200	130	98	58			33	38	27	24.3
150	15	230	180	130	81	91	50	41	50	30	27.0
180	18	270	240	140	91			46	57	34	39.2
220	22	340	270	190	110		73	61	66	36	43.2
270	27	380	300	210	150			69	80	51	45.9
330	33	450	330	240	170	202	93	84	97	57	64.8
390	39	490	370	320	230			106	132	68	72.9
470	47	690	520	360	260		128	130	150	75	100
560	56	780	560	470	350			149	190	110	110
680	68	1070	630	520	380		213	201	220	120	140
820	82	1210	710	690	430			227	260	140	160
101	100	1390	1030	790	610		304	253	308	160	220
121	120	1900	1150	890	660			303	380	170	250
151	150	2180	1680	1270	880		506	370	530	230	280
181	180	2770	1870	1450	980			419	620	290	350
221	220	3120	2080	1650	1170		756	500	700	400	390
271	270	4380	2370	2310	1640			672	876	460	560
331	330	4940	2670	2620	1860		1.09	812	990	510	640
391	390		2940	2940	2850			953		690	700
471	470		3930	4180	3010			1289		770	980
561	560		5430	4670	3620			1430		860	1070
681	680		7320	5730	4630			1599		1200	1460
821	820		8240	6540	5200			1768		1340	1640
102	1000		9260	9440	6000			1989		1530	1820

SMD Shielded Power Inductors – SCDS Series

Standard Specifications

Stamp	Inductance (μ H)	Rated Current (A)									
		SCDS 62	SCDS 64	SCDS 73	SCDS 74	SCDS 103R	SCDS 104R	SCDS 105R	SCDS 124	SCDS 125	SCDS 127
R80	0.8							13.5			
1R2	1.2										9.80
1R5	1.5						10.0	10.5			
2R2	2.2							9.25			
2R4	2.4										8.00
2R5	2.5						7.5				
3R3	3.3	1.94						7.8			
3R5	3.5										7.50
3R8	3.8						6.0				
3R9	3.9								6.50		
4R7	4.7	1.63				4.65		6.40	5.70		6.80
5R2	5.2						5.5				
5R5	5.5	1.40									
6R1	6.1										6.60
6R8	6.8	1.33				3.84		5.40	4.90		
7R0	7.0						4.8				
7R6	7.6										5.90
8R2	8.2	1.14						4.85			
100	10	1.10	1.35	1.68	1.84	3.18	4.4	4.45	4.50	4.00	5.40
120	12	1.00	1.22	1.52	1.71			4.00	4.00	3.50	4.90
150	15	0.90	1.11	1.33	1.47	2.60	3.6	3.60	3.20	3.30	4.50
180	18	0.80	1.02	1.20	1.31			3.20	3.10	3.00	3.90
220	22	0.74	0.91	1.07	1.23		2.9	2.95	2.90	2.80	3.60
270	27	0.66	0.82	0.96	1.12			2.70	2.80	2.30	3.40
330	33	0.59	0.74	0.91	0.96	1.74	2.3	2.50	2.70	2.10	3.00
390	39	0.54	0.69	0.77	0.91			2.30	2.10	2.00	2.75
470	47	0.50	0.62	0.76	0.88		2.1	2.00	1.90	1.80	2.50
560	56	0.46	0.58	0.68	0.75			1.90	1.80	1.70	2.35
680	68	0.42	0.51	0.61	0.69		1.5	1.65	1.50	1.50	2.10
820	82	0.38	0.46	0.57	0.61			1.50	1.30	1.40	1.95
101	100	0.34	0.42	0.50	0.60		1.35	1.35	1.20	1.30	1.70
121	120	0.31	0.38	0.49	0.52			1.28	1.10	1.10	1.60
151	150	0.28	0.35	0.43	0.46		1.15	1.12	0.95	1.00	1.42
181	180	0.26	0.32	0.39	0.42			1.04	0.85	0.90	1.30
221	220	0.23	0.29	0.35	0.36		0.92	0.94	0.80	0.80	1.16
271	270	0.22	0.26	0.32	0.34			0.84	0.60	0.75	1.06
331	330	0.19	0.23	0.28	0.32		0.70	0.75	0.50	0.68	0.95
391	390		0.22	0.26	0.29			0.70		0.65	0.88
471	470		0.20	0.24	0.26			0.60		0.58	0.79
561	560		0.18	0.22	0.23			0.54		0.54	0.73
681	680		0.17	0.19	0.22			0.52		0.48	0.67
821	820		0.15	0.18	0.20			0.50		0.43	0.60
102	1000		0.14	0.16	0.18			0.48		0.40	0.55

Test Freq. (L): 103R/ 104R/ 105R/ 124 (100KHz/ 1V)

SCDS 127: 1.2~7.6 μ H (100KHz/ 1V) 10~1000 μ H (1KHz /1V)

SCDS 62T: 3.3~8.2 μ H (7.96MHz/ 1V), 10~82 μ H (2.52MHz/ 1V), 100~330 μ H(1KHz/ 1V)

SCDS 64T/ 73/ 74/ 125: (1KHz/ 1V)

Other type: Rated current: The rated current indicates the current when the inductance decrease to 65%. Over of it's nominal value or D.C. current when the temperature rising $\Delta t=40^{\circ}\text{C}$ lower, whichever is lower.

Test Instrument: L: HP4192A LF Impedance analyzer

RDC: CH502BC

Rated Current: HP4284+42841A or CH1061 + CH301A

Tolerance Of Inductors

● SCDS 62T	3.3 ~ 330uH $\pm 20\%$	● SCDS 104R	1.5 ~ 330uH $\pm 30\%$
● SCDS 64T	10 ~ 1000uH $\pm 20\%$	● SCDS 105R	0.8 ~ 1000uH $\pm 30\%$
● SCDS 73	10 ~ 1000uH $\pm 20\%$	● SCDS 124	3.9 ~ 330uH $\pm 20\%$
● SCDS 74	10 ~ 1000uH $\pm 20\%$	● SCDS 125	10 ~ 1000uH $\pm 20\%$
● SCDS 103R	4.7~33uH $\pm 30\%$	● SCDS 127	1.2 ~ 7.6uH $^{+40}_{-20}\%$
● Tolerance : M = $\pm 20\%$, T = $\pm 30\%$, N = $^{+40}_{-20}\%$		● SCDS 127	10 ~ 1000uH $\pm 20\%$

Electrical Characteristics

Part Number	Inductance (μH)	Tolerance (±%)	DC Resistance (mΩ) Max	Rated Current (A)
SCDS8D43T-3R3□-N	3.3	30	19	5.7
SCDS8D43T-100□-N	10	30	36	4.0
SCDS8D43T-220□-N	22	30	75	2.4
SCDS8D43T-470□-N	47	30	150	1.8
SCDS8D43T-680□-N	68	30	240	1.5

- Inductance range : 3.3uH to 68uH.
- Inductance tested at 100KHz/1V
- Tolerance: M = ±20%
- Rated current : The rate current indicates the current when the inductance decreases to 65% over of it's nominal value or D.C.current when the temperature rising ΔT=30℃ lower, whichever is lower.
- Test Instrument: L : HP4284A.
RDC : CHEN HWA 502BC
Rated current : HP4284+42841A

