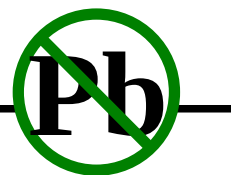


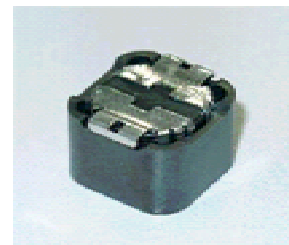
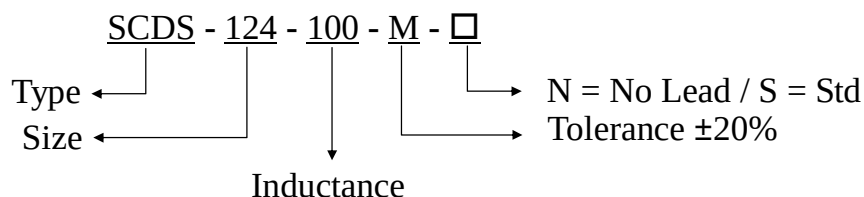


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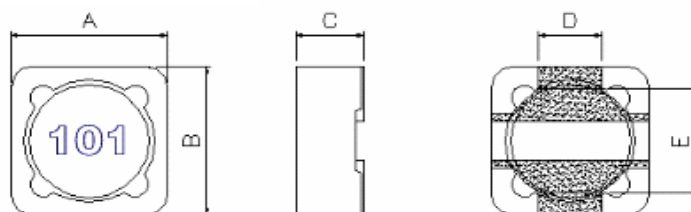
SMD Shielded Power Chokes, SCDS Series



Ordering Code:



Dimensions in mm:



TYPE	A	B	C	D	E
SCDS-62B-Series	6.2 ± 0.3	6.6 ± 0.3	3.0 max	1.5	4.5
SCDS-64B-Series	6.2 ± 0.3	6.6 ± 0.3	4.5 max	1.5	4.5
SCDS-73-Series	7.3 ± 0.2	7.3 ± 0.2	3.4 max	1.8	5.0
SCDS-74-Series	7.3 ± 0.2	7.3 ± 0.2	4.5 max	1.8	5.0
SCDS-124 Series	12.0 ± 0.5	12.0 ± 0.5	4.5 ± 0.5	5.0 ± 0.2	7.6 ± 0.2
SCDS-125 Series	12.0 ± 0.5	12.0 ± 0.5	6.0 ± 0.5	5.0 ± 0.2	7.6 ± 0.2
SCDS-127 Series	12.0 ± 0.5	12.0 ± 0.5	8.0 ± 0.5	5.0 ± 0.2	7.6 ± 0.2

Electrical Specification:

TYPE	Inductance Range	Rated Current
SCDS-62B-Series	3.3uH to 330uH	1.94 Amps to 0.19 Amps
SCDS-64B-Series	10uH to 1000uH	1.35 Amps to 0.14 Amps
SCDS-73-Series	10uH to 1.0mH	1.68 Amps to 0.16 Amps
SCDS-74-Series	10uH to 1.0mH	1.84 Amps to 0.18 Amps
SCDS-124 Series	10uH to 330uH	4.5 Amps to 0.5 Amps
SCDS-125 Series	10uH to 1.0mH	4.0 Amps to 0.4 Amps
SCDS-127 Series	1.2uH to 47uH	9.8 Amps to 2.54 Amps

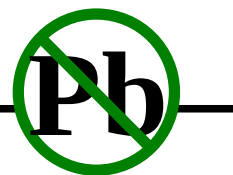
19, Woodlands Industrial Park E1 #03-07 Singapore 757719

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Chilisin Electronics Singapore Pte Ltd

SMD Shielded Power Chokes, SCDS Series



Electrical of SCDS 62B & 64B:

L ¹	INDUCTANCE	TEST FREQ.		RDC (OHM)MAX		IDC (A) MAX ²	
	L(μH)	SCDS 62B	SCDS 64B	SCDS 62B	SCDS 64B	SCDS 62B	SCDS 64B
3R3N	3.3	7.96 MHz	1 kHz	68m		1.94	
4R7N	4.7	7.96 MHz	1 kHz	80m		1.63	
5R5N	5.5	7.96 MHz	1 kHz	96m		1.40	
6R8N	6.8	7.96 MHz	1 kHz	0.10		1.33	
8R2N	8.2	7.96 MHz	1 kHz	0.10		1.14	
100	10	2.52 MHz	1 kHz	0.15	0.12	1.10	1.35
120	12	2.52 MHz	1 kHz	0.20	0.13	1.00	1.22
150	15	2.52 MHz	1 kHz	0.23	0.18	0.90	1.11
180	18	2.52 MHz	1 kHz	0.27	0.24	0.80	1.02
220	22	2.52 MHz	1 kHz	0.34	0.27	0.74	0.91
270	27	2.52 MHz	1 kHz	0.38	0.30	0.66	0.82
330	33	2.52 MHz	1 kHz	0.45	0.33	0.59	0.74
390	39	2.52 MHz	1 kHz	0.49	0.37	0.54	0.69
470	47	2.52 MHz	1 kHz	0.69	0.52	0.50	0.62
560	56	2.52 MHz	1 kHz	0.78	0.56	0.46	0.58
680	68	2.52 MHz	1 kHz	1.07	0.63	0.42	0.51
820	82	2.52 MHz	1 kHz	1.21	0.71	0.38	0.46
101	100	1 kHz	1 kHz	1.39	1.03	0.34	0.42
121	120	1 kHz	1 kHz	1.90	1.15	0.31	0.38
151	150	1 kHz	1 kHz	2.18	1.68	0.28	0.35
181	180	1 kHz	1 kHz	2.77	1.87	0.26	0.32
221	220	1 kHz	1 kHz	3.12	2.08	0.23	0.29
271	270	1 kHz	1 kHz	4.38	2.37	0.22	0.26
331	330	1 kHz	1 kHz	4.94	2.67	0.19	0.23
391	390	1 kHz	1 kHz		2.94		0.22
471	470	1 kHz	1 kHz		3.93		0.20
561	560	1 kHz	1 kHz		5.43		0.18
681	680	1 kHz	1 kHz		7.32		0.17
821	820	1 kHz	1 kHz		8.24		0.15
102	1000	1 kHz	1 kHz		9.26		0.14

1. Tolerance of inductance:

L : 10 ~ 1000μH ±20% (M)

2. DC current at which the inductance drops 10%(typ) from its value without current.

3. The operating temperature range is -25°C to +85°C.

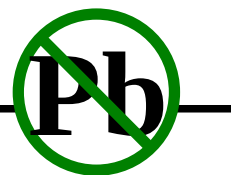
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Chilisin Electronics Singapore Pte Ltd

SMD Shielded Power Chokes, SCDS Series



Electrical:

L	L ¹	TEST FREQ.	RDC (OHM)MAX					IDC (A)MAX ²				
	(μ H)	KHz	73	74	124	125	127	73	74	124	125	127
1R2	1.2	100					0.0070					9.80
2R4	2.4	100					0.0115					8.00
3R5	3.5	100					0.0135					7.50
4R7	4.7	100					0.0158					6.80
6R1	6.1	100					0.0176					6.60
7R6	7.6	100					0.0200					5.90
100	10	1	72m	0.05	0.028	0.025	0.0216	1.68	1.84	4.50	4.00	5.40
120	12	1	98m	0.06	0.038	0.027	0.0243	1.52	1.71	4.00	3.50	4.90
150	15	1	0.13	0.08	0.050	0.030	0.0270	1.33	1.46	3.20	3.30	4.50
180	18	1	0.14	0.09	0.057	0.034	0.0392	1.20	1.31	3.10	3.00	3.90
220	22	1	0.19	0.11	0.066	0.036	0.0432	1.07	1.23	2.90	2.80	3.60
270	27	1	0.21	0.15	0.080	0.051	0.0459	0.96	1.12	2.80	2.30	3.40
330	33	1	0.24	0.17	0.097	0.057	0.0648	0.91	0.96	2.70	2.10	3.00
390	39	1	0.32	0.23	0.132	0.068	0.0729	0.77	0.91	2.10	2.00	2.75
470	47	1	0.36	0.26	0.150	0.075	0.1000	0.76	0.88	1.90	1.80	2.50
560	56	1	0.47	0.35	0.190	0.11		0.68	0.75	1.80	1.70	
680	68	1	0.52	0.38	0.220	0.12		0.61	0.69	1.50	1.50	
820	82	1	0.69	0.43	0.260	0.14		0.57	0.61	1.30	1.40	
101	100	1	0.79	0.61	0.308	0.16		0.50	0.60	1.20	1.30	
121	120	1	0.89	0.66	0.380	0.17		0.49	0.52	1.10	1.10	
151	150	1	1.27	0.88	0.530	0.23		0.43	0.46	0.95	1.00	
181	180	1	1.45	0.98	0.620	0.29		0.39	0.42	0.85	0.90	
221	220	1	1.65	1.17	0.700	0.40		0.35	0.36	0.80	0.80	
271	270	1	2.31	1.64	0.870	0.46		0.32	0.34	0.60	0.75	
331	330	1	2.62	1.86	0.990	0.51		0.28	0.32	0.50	0.68	
391	390	1	2.94	2.85		0.69		0.26	0.29		0.65	
471	470	1	4.18	3.01		0.77		0.24	0.26		0.58	
561	560	1	4.67	3.62		0.86		0.22	0.23		0.54	
681	680	1	5.73	4.63		1.20		0.19	0.22		0.48	
821	820	1	6.54	5.20		1.34		0.18	0.20		0.43	
102	1000	1	9.44	6.00		1.53		0.16	0.18		0.40	

1. Tolerance of inductance:

SCDS73, SCDS74, SCDS124, SCDS125 : 10 ~ 1000 μ H $\pm$ 20% (M).

SCDS127 : 1.2 μ H ~ 7.6 μ H +40% / -20%, 10~ 47 μ H $\pm$ 20% (M).

2. DC current at which the inductance drops 10%(typ) from its value without current.

3. The operating temperature range is -25°C to +85°C.

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