SMT Power Inductors

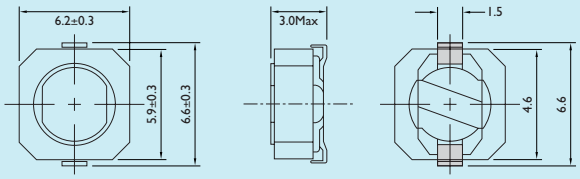
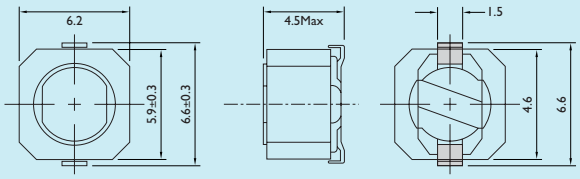
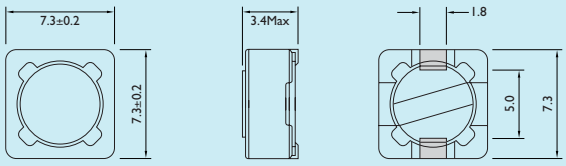
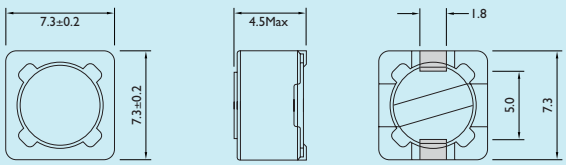
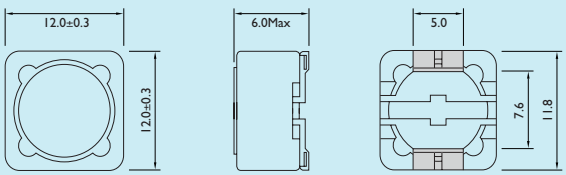
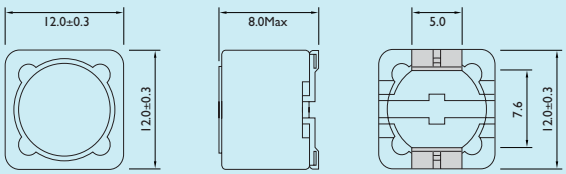
SCDS Series

OUTLINE

SMT power inductor formed by directly connected ferrite electrode with magnetic shielding.

CONFIGURATION AND DIMENSIONS

Dimensions : mm

TYPE	SHAPES AND DIMENSION
SCDS62B (3.3μH ~ 330μH)	
SCDS64B (10μH ~ 1000μH)	
SCDS73 (10μH ~ 1.0mH)	
SCDS74 (10μH ~ 10mH)	
SCDS125 (10μH ~ 1.0mH)	
SCDS127 (10μH ~ 47mH)	

STANDARD SPECIFICATIONS

PART NO.	INDUCTANCE (μH)	D.C.R (Ω) Max.						IDC (A) Min.					
		SCDS 62B	SCDS 64B	SCDS 73	SCDS 74	SCDS 125	SCDS 127	SCDS 62B	SCDS 64B	SCDS 73	SCDS 74	SCDS 125	SCDS 127
1R2	1.2						7.0m						9.80
2R4	2.4						11.5m						8.00
3R3	3.3	68m						1.94					
3R5	3.5						13.5m						7.50
4R7	4.7	80m					15.8m	1.63					6.80
5R5	5.5	96m						1.40					
6R1	6.1						17.6m						6.60
7R6	7.6						20.0m						5.90
100	10	0.15	0.12	72m	49m	25m	21.6m	1.10	1.35	1.68	1.84	4.00	5.40
120	12	0.20	0.13	98m	58m	27m	24.3m	1.00	1.22	1.52	1.71	3.50	4.90
150	15	0.23	0.18	0.13	81m	30m	27.0m	0.90	1.11	1.33	1.47	3.30	4.50
180	18	0.27	0.24	0.14	91m	34m	39.2m	0.80	1.02	1.20	1.31	3.00	3.90
220	22	0.34	0.27	0.19	0.11	36m	43.2m	0.74	0.91	1.07	1.23	2.80	3.60
270	27	0.38	0.30	0.21	0.15	51m	45.9m	0.66	0.82	0.96	1.12	2.30	3.40
330	33	0.45	0.33	0.24	0.17	57m	64.8m	0.59	0.74	0.91	0.96	2.10	3.00
390	39	0.49	0.37	0.32	0.23	68m	72.9m	0.54	0.69	0.77	0.91	2.00	2.75
470	47	0.69	0.52	0.36	0.26	75m	0.10	0.50	0.62	0.76	0.88	1.80	2.50
560	56	0.78	0.56	0.47	0.35	0.11	0.11	0.46	0.58	0.68	0.75	1.70	2.35
680	68	1.07	0.63	0.52	0.38	0.12	0.14	0.42	0.51	0.61	0.69	1.50	2.10
820	82	1.21	0.71	0.69	0.43	0.14	0.46	0.38	0.46	0.57	0.61	1.40	1.95
101	100	1.39	1.03	0.79	0.61	0.16	0.22	0.34	0.42	0.50	0.60	1.30	1.70
121	120	1.90	1.15	0.89	0.66	0.17	0.25	0.31	0.38	0.49	0.52	1.10	1.60
151	150	2.18	1.68	1.27	0.88	0.23	0.28	0.28	0.35	0.43	0.46	1.00	1.42
181	180	2.77	1.87	1.45	0.98	0.29	0.35	0.26	0.32	0.39	0.42	0.90	1.30
221	220	3.12	2.08	1.65	1.17	0.40	0.39	0.23	0.29	0.35	0.36	0.80	1.16
271	270	4.38	2.37	2.31	1.64	0.46	0.56	0.22	0.26	0.32	0.34	0.75	1.06
331	330	4.94	2.67	2.62	1.86	0.51	0.64	0.19	0.23	0.28	0.32	0.68	0.95
391	390		2.94	2.94	2.85	0.69	0.70		0.22	0.26	0.29	0.65	0.88
471	470		3.93	4.18	3.01	0.77	0.98		0.20	0.24	0.26	0.58	0.79
561	560		5.43	4.67	3.62	0.86	1.07		0.18	0.22	0.23	0.54	0.93
681	680		7.32	5.73	4.63	1.20	1.46		0.17	0.19	0.22	0.48	0.67
821	820		8.24	6.54	5.20	1.34	1.64		0.15	0.18	0.20	0.43	0.60
102	1000		9.26	9.44	6.00	1.53	1.82		0.14	0.16	0.18	0.40	0.55

Measuring Freq. (L) : 1KHz 1V

TOLERANCE OF INDUCTORS

SCDS62B	±20% (M)	SCDS74	±20% (M)
SCDS64B	±20% (M)	SCDS125	±20% (M)
SCDS73	±20% (M)	SCDS127	±20% (M)

* Inductance Drop = 35% Typ at IDC