SMD SHIELDED POWER INDUCTORS

PRODUCT IDENTIFICATION

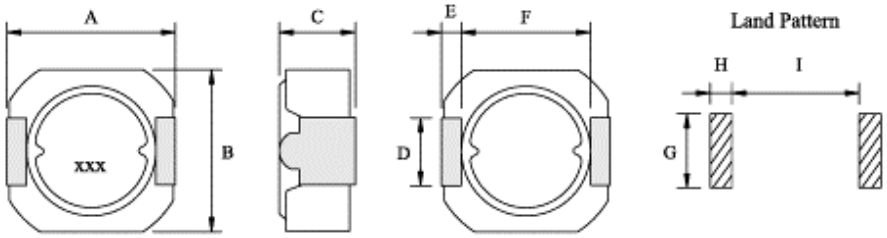
SDN62LCB - 1R0 N
A B C

A： SMT Shielded Power Inductors.
B： Inductance.
C： Tolerance.(K:10%,L:15%,M:20%,N:30%)

APPLICATIONS

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

SHAPES & DIMENSIONS



Unit In mm

TYPE	A (Max)	B (Max)	C (Max)	D ±0.2	E ±0.2	F ±0.2	G	H	I
SDN62LCB	6.3	6.2	2.0	2.0	0.60	4.6	2.6	1.0	4.6
SDN62CB	6.3	6.2	2.5	2.0	0.60	4.6	2.6	1.0	4.6
SDN63LCB	6.3	6.2	3.0	2.0	0.60	4.6	2.6	1.0	4.6
SDN63CB	6.3	6.2	3.5	2.0	0.60	4.6	2.6	1.0	4.6
SDN104C	10.4	10.4	4.8	3.0	2.0	6.00	3.6	2.65	5.4
SDN106C	10.4	10.4	6.8	3.0	2.0	6.00	3.6	2.65	5.4
SDN126C	12.8	12.8	6.8	3.0	2.0	8.50	3.6	2.60	7.9

※Design as Customer's Requested Specifications.

SMD SHIELDED POWER INDUCTORS

ELECTRICAL CHARACTERISTICS

SDN 62LCB/63CB/63LCB/63CB SERIES

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Inductance		62LCB			62CB		
Code	(uH)	Test Freq.(Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq.(Hz)	RDC(Ω) Max.	IDC(A) Max.
1R0N	1.00	100K	0.022	3.50	100K	0.018	3.48
1R5N	1.50	100K	0.030	2.94	100K	0.024	2.83
2R0N	2.00	100K	0.040	2.47	100K	0.032	2.44
3R3N	3.30	100K	0.055	1.99	100K	0.045	1.89
4R3N	4.30	-	-	-	100K	0.055	1.65
4R7N	4.70	100K	0.070	1.59	-	-	-
6R2N	6.20	100K	0.110	1.49	100K	0.065	1.37
8R2N	8.20	100K	0.140	1.25	-	-	-
100M	10.00	100K	0.160	1.22	100K	0.095	1.07
120M	12.00	100K	0.200	0.99	100K	0.120	0.97
150M	15.00	100K	0.230	0.94	100K	0.150	0.87
180M	18.00	100K	0.260	0.83	100K	0.180	0.79
220M	22.00	100K	0.310	0.80	100K	0.210	0.71
270M	27.00	100K	0.390	0.65	100K	0.240	0.64
330M	33.00	100K	0.510	0.63	100K	0.280	0.58
390M	39.00	100K	0.570	0.55	100K	0.330	0.53
470M	47.00	100K	0.730	0.50	100K	0.390	0.48
560M	56.00	-	-	-	100K	0.450	0.44
680M	68.00	-	-	-	100K	0.560	0.40
820M	82.00	-	-	-	100K	0.620	0.36
101M	100.00	-	--	-	100K	0.800	0.33

Inductance		63LCB			63CB		
Code	(uH)	Test Freq.(Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq.(Hz)	RDC(Ω) Max.	IDC(A) Max.
1R0N	1.00	100K	0.017	3.59	-	-	-
1R5N	1.50	100K	0.021	2.93	-	-	-
2R0N	2.00	-	-	-	100K	0.020	3.00
2R2N	2.20	100K	0.024	2.42	-	-	-
2R7N	2.70	-	-	-	100K	0.025	2.69
3R3N	3.30	-	-	-	100K	0.030	2.57
3R6N	3.60	100K	0.033	1.89	-	-	-
4R7N	4.70	100K	0.042	1.66	100K	0.035	2.08
6R2N	6.20	100K	0.050	1.45	100K	0.040	1.84
8R2M	8.20				100K	0.055	1.54
100M	10.00	100K	0.065	1.14	100K	0.065	1.49
120M	12.00	100K	0.072	1.04	100K	0.072	1.28
150M	15.00	100K	0.096	0.93	100K	0.078	1.10
180M	18.00	100K	0.103	0.85	100K	0.098	1.05
220M	22.00	100K	0.132	0.77	100K	0.115	0.97
270M	27.00	100K	0.160	0.70	100K	0.150	0.82
330M	33.00	100K	0.180	0.63	100K	0.175	0.76
390M	39.00	100K	0.200	0.58	100K	0.200	0.70
470M	47.00	100K	0.250	0.53	100K	0.240	0.68
560M	56.00	100K	0.300	0.48	100K	0.300	0.60
680M	68.00	100K	0.360	0.44	100K	0.330	0.56
820M	82.00	100K	0.450	0.40	100K	0.420	0.47
101M	100.00	100K	0.560	0.36	100K	0.470	0.45
151M	150.00	100K	0.750	0.31	100K	0.650	0.37

※ Test Freq：100KHz/0.1V

※ Operating Temp.：－40℃ ~+85℃

※ Inductance drop = 30%typ. at IDC.

SMD SHIELDED POWER INDUCTORS

COMPONENT

ELECTRICAL CHARACTERISTICS

SDN 104C2/106C2/126C2 SERIES

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Inductance		104C2			106C2			126C2		
Code	(uH)	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.	Test Freq. (Hz)	RDC(Ω) Max.	IDC(A) Max.
1R1N	1.10	100K	0.011	11.70	100K	0.014	7.00	-	-	-
1R7N	1.70	-	-	-	-	-	-	100K	0.010	11.80
1R8N	1.80	100K	0.014	8.70	100K	0.018	6.50	-	-	-
2R7N	2.70	100K	0.016	7.30	100K	0.020	6.00	100K	0.011	9.00
3R5N	3.50	-	--	-	100K	0.022	5.60	-	-	-
3R9N	3.90	100K	0.018	5.80	-	-	-	100K	0.014	7.90
4R7N	4.70	-	-	-	100K	0.024	5.20	-	-	-
5R1N	5.10	100K	0.026	4.90	-	-	-	-	-	-
5R6N	2.60	-	-	-	-	-	-	100K	0.016	6.80
6R0N	6.00	-	-	-	100K	0.026	4.80	-	-	-
6R8M	6.80	100K	0.035	4.50	-	-	-	-	-	-
7R5N	7.50	-	-	-	100K	0.030	4.20	100K	0.017	5.70
8R2N	8.20	100K	0.040	4.10	-	-	-	-	-	-
100M	10.00	100K	0.044	3.60	100K	0.035	4.00	100K	0.023	5.50
120M	12.00	100K	0.051	3.30	100K	0.040	3.50	100K	0.027	5.00
150M	15.00	100K	0.062	3.10	100K	0.050	3.20	100K	0.032	4.50
180M	18.00	100K	0.079	2.70	100K	0.060	3.00	100K	0.040	4.10
220M	22.00	100K	0.087	2.40	100K	0.065	2.60	100K	0.046	3.60
270M	27.00	100K	0.100	2.20	100K	0.075	2.20	100K	0.050	3.20
330M	33.00	100K	0.125	2.00	100K	0.095	2.00	100K	0.064	3.00
390M	39.00	100K	0.150	1.80	100K	0.110	1.90	100K	0.074	2.70
470M	47.00	100K	0.175	1.70	100K	0.135	1.80	100K	0.082	2.40
560M	56.00	100K	0.195	1.50	100K	0.145	1.70	100K	0.105	2.00
680M	68.00	100K	0.240	1.30	100K	0.155	1.60	100K	0.120	1.70
820M	82.00	100K	0.295	1.20	100K	0.185	1.50	100K	0.145	1.60
101M	100.00	100K	0.380	1.10	100K	0.220	1.40	100K	0.170	1.50
121M	120.00	100K	0.460	0.97	100K	0.255	1.30	100K	0.185	1.30
151M	150.00	-	-	-	100K	0.280	1.10	100K	0.235	1.20
181M	180.00	-	-	-	100K	0.350	1.00	100K	0.290	1.10
221M	220.00	-	-	-	100K	0.460	0.85	100K	0.350	1.00
271M	270.00	-	-	-	100K	0.600	0.70	100K	0.415	0.93
331M	330.00	-	-	-	100K	0.700	0.60	100K	0.495	0.83
391M	390.00	-	-	-	100K	0.860	0.55	100K	0.610	0.76
471M	470.00	-	-	-	100K	1.100	0.53	100K	0.705	0.67
561M	560.00	-	-	-	100K	1.250	0.50	100K	0.900	0.62
681M	680.00	-	-	-	100K	1.500	0.47	100K	1.120	0.55

※ Test Freq：100KHz/0.1V

※ Operating Temp.：－40℃ ~+85℃

※ Inductance drop = 30%typ. at ID