SDRH SERIES

Magnetic Shielded SMD Power Inductors

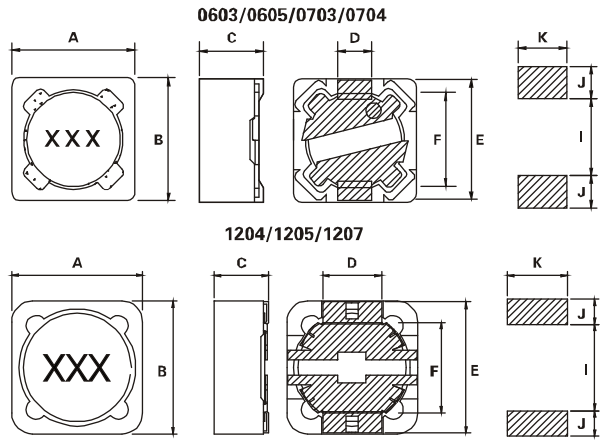
FEATURES
- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

OPTIONS
- Tape & Reel is Standard(Qty:2000pcs.)
- Bulk packaging Available for Smaller Quantities
- Tolerance: K=10%, M=20% is Standard
- Lower Tolerances Available

APPLICATIONS
- DC/DC converter
- Power supplies
- LCD, TV, PDA, PDP
- Notebook computer

Part Number	Inductance L (μH)	DCR(Ohm)							IDC (A)						
		SDRH 603	SDRH 605	SDRH 703	SDRH 704	SDRH 1204	SDRH 1205	SDRH 1207	SDRH 603	SDRH 605	SDRH 703	SDRH 704	SDRH 1204	SDRH 1205	SDRH 1207
1R2	1.2							0.007							9.80
2R4	2.4							0.0115							8.00
3R5	3.5	0.027						0.0135	3.0						7.50
4R7	4.7	0.031						0.0158	2.4						6.80
6R1	6.1	0.035						0.0176	3.25						6.60
7R6	7.6	0.054						0.0200	2.10						5.90
100	10	0.065	0.12	0.076	0.056	0.028	0.025	0.0220	1.70	1.35	1.68	1.84	4.50	4.00	5.40
120	12	0.070	0.13	0.098	0.06	0.038	0.027	0.0243	1.55	1.20	1.52	1.71	4.00	3.50	4.90
150	15	0.084	0.18	0.15	0.085	0.050	0.030	0.0270	1.40	1.10	1.33	1.47	3.20	3.30	4.50
180	18	0.095	0.24	0.17	0.10	0.057	0.030	0.0392	1.32	1.00	1.20	1.31	3.10	3.00	3.90
220	22	0.128	0.27	0.19	0.11	0.066	0.036	0.0432	1.20	0.91	1.07	1.23	2.90	2.80	3.60
270	27	0.142	0.30	0.23	0.18	0.080	0.051	0.0459	1.05	0.82	0.96	1.12	2.80	2.30	3.40
330	33	0.165	0.33	0.28	0.25	0.097	0.057	0.0648	0.97	0.75	0.91	0.96	2.70	2.10	3.00
390	39	0.210	0.37	0.34	0.26	0.132	0.068	0.0729	0.86	0.69	0.77	0.91	2.10	2.00	2.75
470	47	0.238	0.52	0.36	0.28	0.150	0.075	0.100	0.80	0.62	0.76	0.88	1.90	1.80	2.50
560	56	0.277	0.56	0.47	0.40	0.190	0.11	0.110	0.73	0.58	0.68	0.75	1.80	1.70	2.35
680	68	0.304	0.63	0.52	0.43	0.220	0.12	0.140	0.65	0.52	0.61	0.69	1.50	1.50	2.10
820	82	0.390	0.71	0.69	0.61	0.260	0.14	0.160	0.60	0.47	0.57	0.61	1.30	1.40	1.95
101	100	0.535	1.03	0.79	0.66	0.308	0.16	0.220	0.54	0.43	0.50	0.60	1.20	1.30	1.70
121	120	0.650	1.15	0.89	0.88	0.380	0.17	0.250	0.30	0.39	0.49	0.52	1.10	1.10	1.60
151	150	0.820	1.68	1.27	0.98	0.530	0.23	0.280	0.30	0.35	0.43	0.46	0.95	1.00	1.42
181	180	1.10	1.87	1.45	1.17	0.620	0.29	0.350	0.28	0.32	0.39	0.42	0.85	0.90	1.30
221	220	1.45	2.08	1.65	1.86	0.700	0.40	0.390	0.24	0.29	0.35	0.36	0.80	0.80	1.16
271	270	1.72	2.37	2.31	2.85	0.870	0.46	0.560	0.22	0.26	0.32	0.34	0.60	0.75	1.06
331	330	2.05	2.67	2.62	3.01	0.990	0.51	0.640	0.20	0.25	0.28	0.32	0.50	0.68	0.95
391	390	2.52	2.94	2.94	3.62		0.69	0.700	0.18	0.22	0.26	0.29		0.65	0.88
471	470	3.12	3.93	4.18	4.63		0.77	0.980	0.16	0.20	0.24	0.26		0.58	0.79
561	560	3.85	5.45	4.67	5.20		0.86	1.070	0.12	0.18	0.22	0.23		0.54	0.73
681	680	4.52	7.32	5.73	6.00		1.20	1.460	0.11	0.17	0.19	0.22		0.48	0.67
821	820	5.29	8.24	6.54	6.00		1.34	1.640	0.10	0.15	0.18	0.20		0.43	0.60
102	1000	7.22	9.24	9.44	6.00		1.53	1.820	0.08	0.14	0.16	0.18		0.40	0.55

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20ºC)
- Operating temperature:-25ºC ~ +85 ºC



TYPE	SDRH-0603	SDRH-0605	SDRH-0703	SDRH-0704	SDRH-1204	SDRH-1205	SDRH-1207
A	6.5Max	6.5Max	7.5Max	7.5Max	12.3Max	12.3Max	12.3Max
B	6.5Max	6.5Max	7.5Max	7.5Max	12.3Max	12.3Max	12.3Max
C	3.0Max	5.0Max	3.4Max	4.5Max	4.5Max	6.0Max	8.0Max
D	1.5	1.5	1.8	1.8	5.0	5.0	5.0
E	6.6	6.6	7.2	7.2	11.8	11.8	11.8
F	4.6	4.6	5.4	5.4	7.6	7.6	7.6
I	4.6	4.6	4.8	4.8	7.0	7.0	7.0
J	1.4	1.4	1.5	1.5	2.8	2.8	2.8
K	1.9	1.9	2.2	2.2	5.4	5.4	5.4