

SMD POWER INDUCTORS 贴片功率电感**SDR 系列****FEATURES**

- Wide inductance range .
- Excellent solderability and heat resistance.
- Excellent terminal strength construction.
- Various high power inductors are superior to be high saturation.
- Suitable for surface mount equipment.

APPLICATIONS

- Suitable for portable CDRW, digital camera, mp3, mp4, DVD players, digital photo frame, portable media players, LCD TV, PDA, IP camera, PC card and DSC applications.

ORDERING CODE**SDR 1206 - 100 K T**

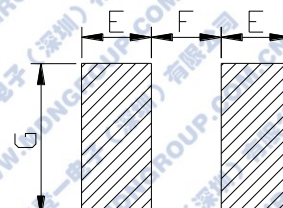
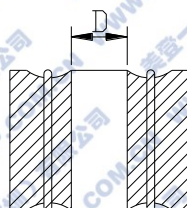
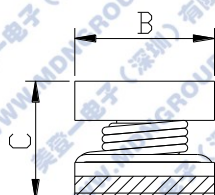
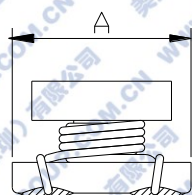
Packing style(T:taping; B: bulk)
 Tol.(J: $\pm 5\%$; K: $\pm 10\%$; M: $\pm 20\%$.)
 Inductance value(uH)
 Specification
 Type

特 征

- 具范围广阔感值;
- 优秀的焊锡性及耐热性;
- 绝佳的端面强度结构;
- 大功率, 高饱和电流, 低阻抗;
- 适合表面贴装。

用 途

- 适用于便携式刻录机, 数码相机, MP3, MP4, DVD, 数码相框, 便携式播放器, 液晶电视, PDA, IP 相机, 计算机板卡及 DSC 应用等。

SHAPE**DIMENSIONS AND LAND PATTERNS(mm)**

TYPE	A	B	C	D	E	F	G
SDR3216	3.2 ± 0.2	1.6 ± 0.2	1.8 ± 0.2	1.0	1.0	1.2	1.8
SDR3225	3.2 ± 0.2	2.5 ± 0.2	2.0 ± 0.2	1.0	1.0	1.2	2.7
SDR4532	4.5 ± 0.2	3.2 ± 0.2	2.6 ± 0.2	1.5	1.5	1.5	3.4
SDR5750	5.7 ± 0.2	5.0 ± 0.2	4.7 ± 0.2	1.5	1.8	2.1	4.9

SMD POWER INDUCTORS 贴片功率电感

SDR 系列

PART NO.		TEST CONDITIONS	SDR3216		SDR3225		SDR4532		SDR5750	
			DCR	Idc	DCR	Idc	DCR	Idc	DCR	Idc
			(Ω)max	(A)max	(Ω)max	(A)max	(Ω)max	(A)max	(Ω)max	(A)max
1R0	1.0uH	100KHz/ 0.25V	0.110	1.40	0.065	2.100	0.050	2.70	0.030	3.80
1R5	1.5uH	100KHz/ 0.25V	0.155	1.30					0.050	3.00
1R8	1.8uH	100KHz/ 0.25V	0.168	1.25					0.055	2.80
2R2	2.2uH	100KHz/ 0.25V	0.185	1.15	0.110	1.400	0.073	2.25	0.060	2.50
2R7	2.7uH	100KHz/ 0.25V	0.255	1.00	0.120	1.300				
3R3	3.3uH	100KHz/ 0.25V	0.300	0.88	0.125	1.200			0.070	2.50
3R9	3.9uH	100KHz/ 0.25V	0.322	0.82	0.140	1.100	0.108	1.65	0.075	2.30
4R7	4.7uH	100KHz/ 0.25V	0.415	0.80	0.210	0.950	0.130	1.60	0.090	2.0
5R6	5.6uH	100KHz/ 0.25V	0.560	0.75	0.220	0.880	0.145	1.50	0.105	1.80
6R8	6.8uH	100KHz/ 0.25V	0.610	0.70	0.350	0.810	0.156	1.40	0.115	1.75
8R2	8.2uH	100KHz/ 0.25V	0.705	0.58	0.380	0.730	0.220	1.20	0.140	1.65
100	10uH	1KHz/ 0.25V	0.725	0.47	0.420	0.680	0.235	1.00	0.150	1.50
120	12uH	1KHz/ 0.25V	0.850	0.45	0.480	0.600	0.260	0.96	0.180	1.40
150	15uH	1KHz/ 0.25V	1.18	0.42	0.510	0.560	0.338	0.90	0.225	1.35
180	18uH	1KHz/ 0.25V	1.35	0.38	0.702	0.500	0.360	0.88	0.260	1.25
220	22uH	1KHz/ 0.25V	1.43	0.34	0.780	0.460	0.500	0.85	0.300	1.20
270	27uH	1KHz/ 0.25V	2.08	0.32	0.915	0.400	0.625	0.80	0.340	1.10
330	33uH	1KHz/ 0.25V	2.33	0.30	1.220	0.380	0.705	0.77	0.395	1.00
390	39uH	1KHz/ 0.25V	3.00	0.27	1.30	0.340	0.760	0.68	0.470	0.90
470	47uH	1KHz/ 0.25V	3.32	0.25	1.95	0.310	1.11	0.58	0.600	0.85
560	56uH	1KHz/ 0.25V	3.65	0.22	2.10	0.270	1.26	0.50	0.685	0.83
680	68uH	1KHz/ 0.25V	4.70	0.19	2.40	0.250	1.37	0.44	0.940	0.70
820	82uH	1KHz/ 0.25V	6.40	0.16	3.25	0.230	1.85	0.39	1.02	0.68
101	100uH	1KHz/ 0.25V	7.00	0.15	3.65	0.215	2.10	0.36	1.15	0.65
121	120uH	1KHz/ 0.25V	9.80	0.14	4.50	0.195	2.35	0.33	1.70	0.55
151	150uH	1KHz/ 0.25V	10.80	0.12	5.30	0.168	3.25	0.29	1.85	0.45
181	180uH	1KHz/ 0.25V			7.20	0.155	3.65	0.27	2.10	0.40
221	220uH	1KHz/ 0.25V			7.80	0.145	4.90	0.24	2.60	0.35
271	270uH	1KHz/ 0.25V			12.5	0.125	5.80	0.21	3.0	0.32
331	330uH	1KHz/ 0.25V			14.5	0.120	7.75	0.18	3.35	0.30
391	390uH	1KHz/ 0.25V			15.5	0.100	8.50	0.17	4.85	0.27
471	470uH	1KHz/ 0.25V			17.8	0.095	9.80	0.16	5.35	0.26
561	560uH	1KHz/ 0.25V			20.5	0.085	11.5	0.15	7.30	0.24
681	680uH	1KHz/ 0.25V					13.2	0.13	8.20	0.22
821	820uH	1KHz/ 0.25V					15.0	0.12	11.5	0.20
102	1.0mH	1KHz/ 0.25V							12.5	0.16

REMARK:

- 电感公差范围/Tolerance of Inductance: $L \leq 8.2\mu\text{H}$ $\pm 20\%$; $L \geq 10\mu\text{H}$ $\pm 10\%$ 。
- 额定电流/Idc (Rated DC Current): 电感值下降至初期值的 10%或温度上升至 40℃时的直流电流值中的最小值(环境温度 20℃)。