

SD1608DC / SD3316DC / SD5022DC



Features (特长)

- Magnetically shielded construction
(闭磁路构造设计)
- Compact and thin (轻便薄小)
- DCR is lower than other inductors 10%~60%
(直流阻抗比其他型式低于 10%~60%)

Applications (用途)

- Notebook, Cellular Phone, DC/DC converter, PDA.
(笔记型计算机、手机、直流转换器、PDA)

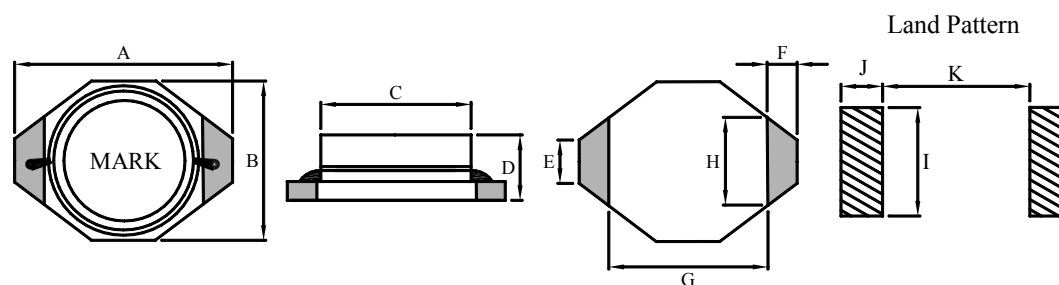
Product Identification (产品识别)

SD1608DC — — (Ex. SD1608DC-1R0M)

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1. SMT Shielded Power Inductors (闭磁式功率电感)
(SD1608DC/SD3316DC/SD5022DC)
2. Inductance (电感值)
3. Tolerance (误差值) (参照表 K:10%, L:15%, M:20%, N:30%)

Configurations & Dimensions (结构图及规格尺寸)



Unit In: mm

Type (型式)	A (max)	B (max)	C ±0.3	D (max)	E ±0.3	F ±0.3	G ±0.3	H ±0.3	I	J	K
SD1608DC	6.60	4.45	4.00	2.92	1.27	1.02	4.32	2.50	3.56	1.40	4.06
SD3316DC	12.95	9.40	8.38	5.08	2.54	2.54	7.62	/	2.79	2.92	7.37
SD5022DC	18.54	15.24	12.70	7.62	2.54	2.54	12.70	/	2.79	2.92	12.45

♣Design as Customer' s Requested Specifications. (可依客户特殊需求设计)

Specifications For Each Series Of Electroniccharacteristics [各系列电子特性规格]

SD1608DC/SD3316DC/SD5022DC

Codes	L (uH)	Tolerance	Test Freq. (KHz)	DCR (Ω) max			Current (A) max		
				SD1608DC	SD3316DC	SD5022DC	SD1608DC	SD3316DC	SD5022DC
1R0	1.0	M	100KHz/0.1V	0.040	0.021	-	3.00	5.60	-
1R5	1.5	M	100KHz/0.1V	0.045	0.022	-	2.80	5.20	-
2R2	2.2	M	100KHz/0.1V	0.050	0.032	-	1.80	5.00	-
3R3	3.3	M	100KHz/0.1V	0.055	0.039	-	1.60	3.90	-
4R7	4.7	M	100KHz/0.1V	0.060	0.054	-	1.40	3.20	-
6R8	6.8	M	100KHz/0.1V	0.065	0.075	-	1.20	2.80	-
100	10	M	100KHz/0.1V	0.075	0.101	0.040	1.00	2.40	8.00
150	15	M	100KHz/0.1V	0.090	0.150	0.048	0.80	2.00	7.00
220	22	M	100KHz/0.1V	0.110	0.207	0.059	0.70	1.60	6.00
330	33	M	100KHz/0.1V	0.190	0.334	0.075	0.60	1.40	5.00
470	47	M	100KHz/0.1V	0.230	0.472	0.097	0.50	1.00	4.00
680	68	M	100KHz/0.1V	0.290	-	0.138	0.40	-	3.00
101	100	M	100KHz/0.1V	0.480	-	0.207	0.30	-	2.40
151	150	M	100KHz/0.1V	0.590	-	0.293	0.26	-	2.10
221	220	M	100KHz/0.1V	0.770	-	0.470	0.22	-	1.90
331	330	M	100KHz/0.1V	1.400	-	0.780	0.20	-	1.10
471	470	M	100KHz/0.1V	1.800	-	1.080	0.19	-	1.10
681	680	M	100KHz/0.1V	2.200	-	1.400	0.18	-	0.96
102	1000	M	100KHz/0.1V	3.400	-	2.010	0.15	-	0.80
152	1500	M	100KHz/0.1V	4.200	-	-	0.12	-	-
222	2200	M	100KHz/0.1V	8.500	-	-	0.10	-	-
332	3300	M	100KHz/0.1V	11.000	-	-	0.08	-	-
472	4700	M	100KHz/0.1V	13.900	-	-	0.06	-	-
682	6800	M	100KHz/0.1V	25.000	-	-	0.04	-	-
103	10000	M	100KHz/0.1V	32.800	-	-	0.02	-	-

※Current (max) ... 30°C temperature rise.

※Operating Temp. : -40°C ~ +105°C