

SD Series Power Inductors SD系列功率电感



FEATURES 特性

- 有出色的高抗饱和性能;
- 可采用磁屏蔽结构;
- 体积小, 厚度薄;
- 低直流电阻, 耐大电流;
- 储存能量高, 最适合用于各类DC-DC变换器;

APPLICATIONS 用途

- 电脑显示板卡、笔记本电脑、后置偏转加速电极之后注意程序设计等。

SHAPE AND DIMENSIONS 外形尺寸

FIG 1.(SD0402D)

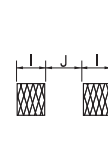
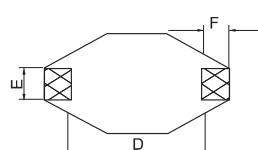
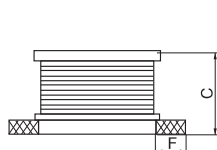
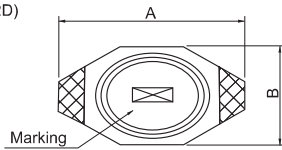


FIG 2.(SD0402T)

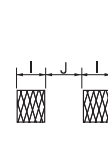
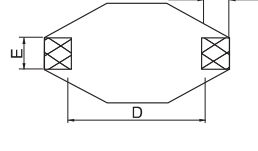
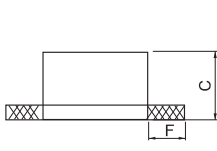
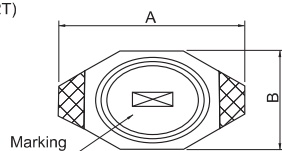


FIG 3.(SD0804D)

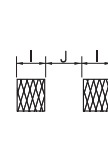
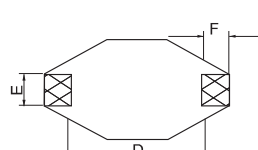
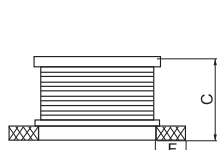
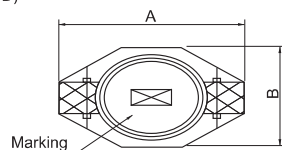


FIG 4.(SD0804T)

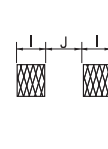
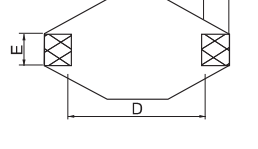
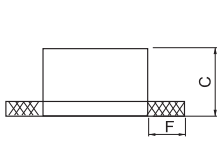
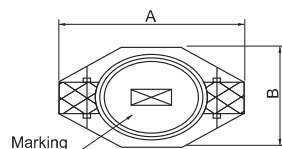


FIG 5.(SD1306D)

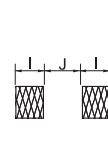
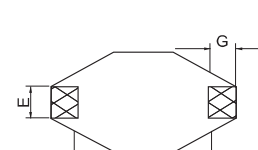
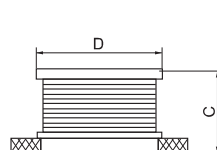
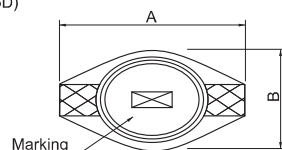
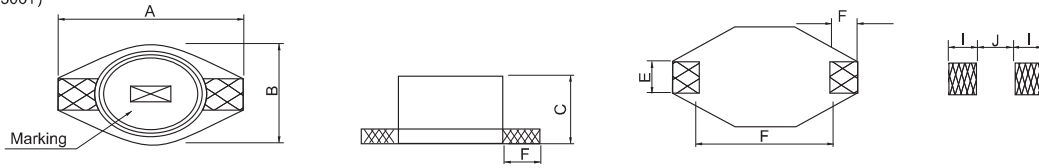


FIG 6.(SD1306T)



Unit: mm

产品型号规格 Part NO.	产品尺寸 DIMENSIONS										INDUCTANCE	FIG
	A(MAX)	B(MAX)	C(MAX)	D	E	F	G	I	J			
SD0402D	6.60	4.45	2.92	3.94	1.27	4.32	1.02	1.40	4.06	1 μH~1000 μH	1	
SD0402T	6.60	4.45	2.92	4.06	1.27	4.32	1.02	1.40	4.06	1 μH~1000 μH	2	
SD0804D	12.95	9.40	5.08	8.38	2.54	7.62	2.54	2.92	7.37	1 μH~1000 μH	3	
SD0804T	12.95	9.40	5.21	8.38	2.54	7.62	2.54	2.92	7.37	1 μH~47 μH	4	
SD1306D	18.54	15.24	7.11	12.70	2.54	12.7	2.54	2.92	12.45	1 μH~1000 μH	5	
SD1306T	18.54	15.24	7.62	12.70	2.54	12.7	2.54	2.92	12.45	10 μH~1000 μH	6	

PART NUMBERING 规格编号

SD 0402 T - 4R7 M T

① ② ③ ④ ⑤ ⑥

- ① Product symbol系列代号:
- ② Dimensions尺寸: Diameter直径×Thickness厚度
- ③ Type类型: D—无磁罩, T—有磁罩
- ④ Inductance电感量: R47—0.47 μH, 4R7—4.7 μH, 150—15 μH, 151—150 μH, 152—1500 μH, 153—15000 μH
- ⑤ Tolerance允许偏差: M±20%, N±30%
- ⑥ Packing style 包装方式: B: Bulk 散装, T: Tape and reel 载带盘装

SPECIFICATIONS规格特性

● SD0402D系列

产品型号规格 Part No.	电感量 Inductance (μH)	Ls测试条件 Test Frequency	直流电阻 DC Resistance (Ω)Max	额定电流 Rated Current (A)Max
SD0402D-1R0□	1.0	100KHz/0.25V	0.05	2.90
SD0402D-1R5□	1.5	100KHz/0.25V	0.06	2.60
SD0402D-2R2□	2.2	100KHz/0.25V	0.07	2.30
SD0402D-3R3□	3.3	100KHz/0.25V	0.08	2.00
SD0402D-4R7□	4.7	100KHz/0.25V	0.09	1.50
SD0402D-6R8□	6.8	100KHz/0.25V	0.13	1.20
SD0402D-100□	10	100KHz/0.25V	0.16	1.10
SD0402D-150□	15	100KHz/0.25V	0.23	0.90
SD0402D-220□	22	100KHz/0.25V	0.37	0.70
SD0402D-330□	33	100KHz/0.25V	0.51	0.58
SD0402D-470□	47	100KHz/0.25V	0.64	0.50
SD0402D-680□	68	100KHz/0.25V	0.86	0.40
SD0402D-101□	100	100KHz/0.25V	1.47	0.31
SD0402D-151□	150	100KHz/0.25V	2.01	0.27
SD0402D-221□	220	100KHz/0.25V	3.11	0.22
SD0402D-331□	330	100KHz/0.25V	4.74	0.18
SD0402D-471□	470	100KHz/0.25V	6.78	0.16
SD0402D-681□	680	100KHz/0.25V	11.00	0.14
SD0402D-102□	1000	100KHz/0.25V	13.80	0.10

□: 表示电感量偏差代号为M、N。M—±20%，N—±30%
□: Tolerance: M—±20%，N—±30%

SPECIFICATIONS 规格特性

● SD0402T系列

产品型号规格 Part No.	电感量 Inductance (μ H)	Ls测试条件 Test Frequency	直流电阻 DC Resistance (Ω)Max	额定电流 Rated Current (A)Max
SD0402T-1R0□	1.0	100KHz/0.25V	0.040	1.40
SD0402T-1R5□	1.5	100KHz/0.25V	0.045	1.30
SD0402T-2R2□	2.2	100KHz/0.25V	0.050	1.10
SD0402T-3R3□	3.3	100KHz/0.25V	0.055	1.00
SD0402T-4R7□	4.7	100KHz/0.25V	0.060	0.76
SD0402T-6R8□	6.8	100KHz/0.25V	0.065	0.63
SD0402T-100□	10	100KHz/0.25V	0.075	0.58
SD0402T-150□	15	100KHz/0.25V	0.090	0.50
SD0402T-220□	22	100KHz/0.25V	0.110	0.45
SD0402T-330□	33	100KHz/0.25V	0.190	0.34
SD0402T-470□	47	100KHz/0.25V	0.230	0.30
SD0402T-680□	68	100KHz/0.25V	0.290	0.25
SD0402T-101□	100	100KHz/0.25V	0.480	0.23
SD0402T-151□	150	100KHz/0.25V	0.670	0.20
SD0402T-221□	220	100KHz/0.25V	0.770	0.17
SD0402T-331□	330	100KHz/0.25V	1.400	0.15
SD0402T-471□	470	100KHz/0.25V	2.350	0.12
SD0402T-681□	680	100KHz/0.25V	3.130	0.10
SD0402T-102□	1000	100KHz/0.25V	3.800	0.07

● SD0804D系列

产品型号规格 Part No.	电感量 Inductance (μ H)	Ls测试条件 Test Frequency	直流电阻 DC Resistance (Ω)Max	额定电流 Rated Current (A)Max
SD0804D-1R0□	1.0	100KHz/0.25V	0.009	9.0
SD0804D-1R5□	1.5	100KHz/0.25V	0.010	8.0
SD0804D-2R2□	2.2	100KHz/0.25V	0.012	7.0
SD0804D-3R3□	3.3	100KHz/0.25V	0.015	6.4
SD0804D-4R7□	4.7	100KHz/0.25V	0.018	5.4
SD0804D-6R8□	6.8	100KHz/0.25V	0.027	4.6
SD0804D-100□	10	100KHz/0.25V	0.038	3.8
SD0804D-150□	15	100KHz/0.25V	0.060	3.0
SD0804D-220□	22	100KHz/0.25V	0.085	2.6
SD0804D-330□	33	100KHz/0.25V	0.100	2.0
SD0804D-470□	47	100KHz/0.25V	0.140	1.6
SD0804D-680□	68	100KHz/0.25V	0.200	1.4
SD0804D-101□	100	100KHz/0.25V	0.280	1.2
SD0804D-151□	150	100KHz/0.25V	0.500	1.0
SD0804D-221□	220	100KHz/0.25V	0.610	0.8
SD0804D-331□	330	100KHz/0.25V	1.020	0.6
SD0804D-471□	470	100KHz/0.25V	1.270	0.5
SD0804D-681□	680	100KHz/0.25V	2.020	0.4
SD0804D-102□	1000	100KHz/0.25V	3.000	0.3

● SD0804T系列

产品型号规格 Part No.	电感量 Inductance (μ H)	Ls测试条件 Test Frequency	直流电阻 DC Resistance (Ω)Max	额定电流 Rated Current (A)Max
SD0804T-1R0□	1.0	100KHz/0.25V	0.021	5.6
SD0804T-1R5□	1.5	100KHz/0.25V	0.022	5.2
SD0804T-2R2□	2.2	100KHz/0.25V	0.032	5.0
SD0804T-3R3□	3.3	100KHz/0.25V	0.039	3.9
SD0804T-4R7□	4.7	100KHz/0.25V	0.054	3.2
SD0804T-6R8□	6.8	100KHz/0.25V	0.075	2.8
SD0804T-100□	10	100KHz/0.25V	0.101	2.4
SD0804T-150□	15	100KHz/0.25V	0.150	2.0
SD0804T-220□	22	100KHz/0.25V	0.207	1.6
SD0804T-330□	33	100KHz/0.25V	0.334	1.4
SD0804T-470□	47	100KHz/0.25V	0.472	1.0

SPECIFICATIONS 规格特性

● SD0804T系列

产品型号规格 Part No.	电感量 Inductance (μ H)	Ls测试条件 Test Frequency	直流电阻 DC Resistance (Ω)Max	额定电流 Rated Current (A)Max
SD0804T-680□	68	100KHz/0.25V	0.660	0.90
SD0804T-101□	100	100KHz/0.25V	1.110	0.80
SD0804T-151□	150	100KHz/0.25V	1.550	0.60
SD0804T-221□	220	100KHz/0.25V	2.000	0.50
SD0804T-331□	330	100KHz/0.25V	3.100	0.43
SD0804T-471□	470	100KHz/0.25V	4.200	0.39
SD0804T-681□	680	100KHz/0.25V	5.500	0.35
SD0804T-102□	1000	100KHz/0.25V	8.300	0.32

● SD1306D系列

产品型号规格 Part No.	电感量 Inductance (μ H)	Ls测试条件 Test Frequency	直流电阻 DC Resistance (Ω)Max	额定电流 Rated Current (A)Max
SD1306D-1R0□	1.0	100KHz/0.25V	0.009	20
SD1306D-2R2□	2.2	100KHz/0.25V	0.014	16
SD1306D-3R3□	3.3	100KHz/0.25V	0.018	14
SD1306D-5R6□	5.6	100KHz/0.25V	0.020	12
SD1306D-100□	10	100KHz/0.25V	0.031	10
SD1306D-150□	15	100KHz/0.25V	0.036	8.0
SD1306D-220□	22	100KHz/0.25V	0.047	7.0
SD1306D-330□	33	100KHz/0.25V	0.066	5.5
SD1306D-470□	47	100KHz/0.25V	0.086	4.5
SD1306D-680□	68	100KHz/0.25V	0.130	3.5
SD1306D-101□	100	100KHz/0.25V	0.190	3.0
SD1306D-151□	150	100KHz/0.25V	0.250	2.6
SD1306D-221□	220	100KHz/0.25V	0.380	2.4
SD1306D-331□	330	100KHz/0.25V	0.560	1.9
SD1306D-471□	470	100KHz/0.25V	0.850	1.4
SD1306D-681□	680	100KHz/0.25V	1.100	1.2
SD1306D-102□	1000	100KHz/0.25V	1.800	1.0
SD1306D-202□	2000	100KHz/0.25V	4.500	0.3

□: 表示电感量偏差代号为M、N。M \pm 20%，N \pm 30%
□: Tolerance: M \pm 20%，N \pm 30%

● SD1306T系列

产品型号规格 Part No.	电感量 Inductance (μ H)	Ls测试条件 Test Frequency	直流电阻 DC Resistance (Ω)Max	额定电流 Rated Current (A)Max
SD1306T-100□	10	100KHz/0.25V	0.040	8.0
SD1306T-150□	15	100KHz/0.25V	0.048	7.0
SD1306T-220□	22	100KHz/0.25V	0.059	6.0
SD1306T-330□	33	100KHz/0.25V	0.075	5.0
SD1306T-470□	47	100KHz/0.25V	0.097	4.0
SD1306T-680□	68	100KHz/0.25V	0.138	3.0
SD1306T-101□	100	100KHz/0.25V	0.207	2.4
SD1306T-151□	150	100KHz/0.25V	0.293	2.1
SD1306T-221□	220	100KHz/0.25V	0.470	1.9
SD1306T-331□	330	100KHz/0.25V	0.780	1.1
SD1306T-471□	470	100KHz/0.25V	1.080	1.0
SD1306T-681□	680	100KHz/0.25V	1.400	0.96
SD1306T-102□	1000	100KHz/0.25V	2.010	0.8

□: 表示电感量偏差代号为M、N。M \pm 20%，N \pm 30%
□: Tolerance: M \pm 20%，N \pm 30%