Surface Mount Power Inductors

FEATURES

- Excellent high saturation resistance
- Magnetic shield structure
- Low DC resistance, high current resistance
- Small volume, thin thickness
- High storage energy, most suitable for all types of DC-DC converters

APPLICATIONS

- Computer display board, laptop, post-deflection acceleration electrode, after attention programming, etc

PRODUCT IDENTIFICATION

SKSD 0402 T — 4R7 M

Product Code

External Dimension ：
Outer Diameter × H(mm)
0402：0.4× 0.2

Type：
D：No magnetic cover
T：Magnetic cover

Inductance Tolerance
M：±20%
N：±30%

Inductance Value
R47：0.47μH
4R7：4.7μH
150：15μH
151：150μH
152：1500μH
153：15000μH

SHAPE AND DIMENSIONS

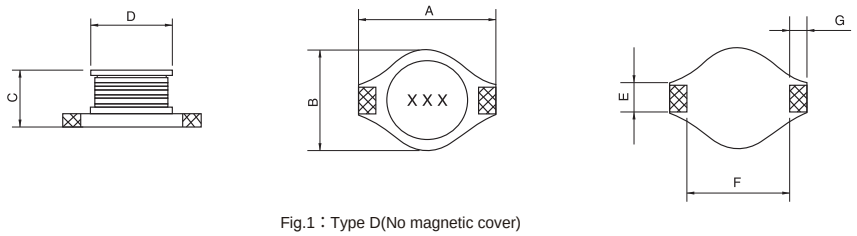


Fig.1：Type D(No magnetic cover)

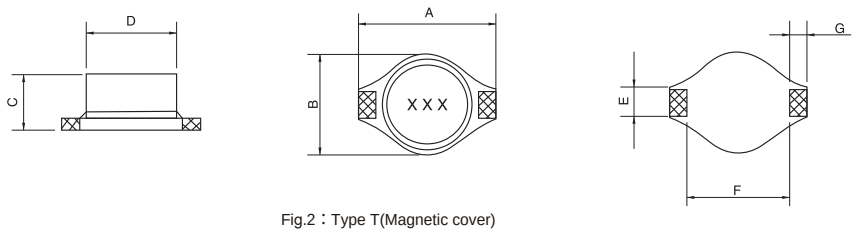
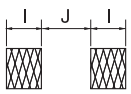


Fig.2：Type T(Magnetic cover)



Recommended Pad Size

Units：mm

Type Specification	Product Size							Recommended Pad Size		Outline Structure
	A Max	B Max	C Max	D	E	F	G	I	J	
SKSD0402D	6.60	4.45	2.92	4.00	1.27	4.43	1.02	1.40	4.06	Fig.1
SKSD0402T	6.60	4.45	2.92	4.00	1.27	4.43	1.02	1.40	4.06	Fig.2
SKSD0804D	12.95	9.40	5.21	8.38	2.54	7.62	2.54	2.92	7.37	Fig.1
SKSD0804T	12.95	9.40	5.21	8.38	2.54	7.62	2.54	2.92	7.37	Fig.2
SKSD1306D	18.54	15.24	7.11	12.7	2.54	12.7	2.54	2.92	7.37	Fig.1
SKSD1306T	18.54	15.24	7.11	12.7	2.54	12.7	2.54	2.92	7.37	Fig.2

SPECIFICATIONS

SKSD0402D TYPE

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD0402D-1R0	1.0	M、N	100/0.25	0.050	2900
SKSD0402D-1R5	1.5	M、N	100/0.25	0.055	2600
SKSD0402D-2R2	2.2	M、N	100/0.25	0.070	2300
SKSD0402D-3R3	3.3	M、N	100/0.25	0.080	2000
SKSD0402D-4R7	4.7	M、N	100/0.25	0.090	1500
SKSD0402D-6R8	6.8	M、N	100/0.25	0.130	1200
SKSD0402D-100	10	M、N	100/0.25	0.160	1100
SKSD0402D-150	15	M、N	100/0.25	0.230	900
SKSD0402D-220	22	M、N	100/0.25	0.370	700
SKSD0402D-330	33	M、N	100/0.25	0.510	580
SKSD0402D-470	47	M、N	100/0.25	0.760	500
SKSD0402D-680	68	M、N	100/0.25	1.10	400
SKSD0402D-101	100	M、N	100/0.25	2.00	310
SKSD0402D-151	150	M、N	100/0.25	3.50	270
SKSD0402D-221	220	M、N	100/0.25	4.00	220
SKSD0402D-331	330	M、N	100/0.25	5.50	180
SKSD0402D-471	470	M、N	100/0.25	7.50	160
SKSD0402D-681	680	M、N	100/0.25	15.0	140
SKSD0402D-102	1000	M、N	100/0.25	20.0	100

SKSD0402T TYPE

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD0402T-1R0	1.0	M、N	100/0.25	0.040	1400
SKSD0402T-1R5	1.5	M、N	100/0.25	0.045	1300
SKSD0402T-2R2	2.2	M、N	100/0.25	0.050	1100
SKSD0402T-3R3	3.3	M、N	100/0.25	0.055	1000
SKSD0402T-4R7	4.7	M、N	100/0.25	0.065	760
SKSD0402T-6R8	6.8	M、N	100/0.25	0.090	630
SKSD0402T-100	10	M、N	100/0.25	0.110	580
SKSD0402T-150	15	M、N	100/0.25	0.150	500
SKSD0402T-220	22	M、N	100/0.25	0.250	450
SKSD0402T-330	33	M、N	100/0.25	0.350	340
SKSD0402T-470	47	M、N	100/0.25	0.450	300
SKSD0402T-680	68	M、N	100/0.25	0.550	250
SKSD0402T-101	100	M、N	100/0.25	0.765	230
SKSD0402T-151	150	M、N	100/0.25	6.00	200
SKSD0402T-221	220	M、N	100/0.25	7.00	170
SKSD0402T-331	330	M、N	100/0.25	10.0	150
SKSD0402T-471	470	M、N	100/0.25	15.0	120
SKSD0402T-681	680	M、N	100/0.25	20.0	100
SKSD0402T-102	1000	M、N	100/0.25	25.0	70

SKSD0804D TYPE

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD0804D-1R0	1.0	M、N	100/0.25	0.009	9000
SKSD0804D-1R5	1.5	M、N	100/0.25	0.010	8000
SKSD0804D-2R2	2.2	M、N	100/0.25	0.012	7000
SKSD0804D-3R3	3.3	M、N	100/0.25	0.015	6400
SKSD0804D-4R7	4.7	M、N	100/0.25	0.018	5400

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD0804D-6R8	6.8	M、N	100/0.25	0.027	4600
SKSD0804D-100	10	M、N	100/0.25	0.038	3800
SKSD0804D-150	15	M、N	100/0.25	0.060	3000
SKSD0804D-220	22	M、N	100/0.25	0.085	2600
SKSD0804D-330	33	M、N	100/0.25	0.100	2000
SKSD0804D-470	47	M、N	100/0.25	0.140	1600
SKSD0804D-680	68	M、N	100/0.25	0.200	1400
SKSD0804D-101	100	M、N	100/0.25	0.280	1200
SKSD0804D-151	150	M、N	100/0.25	0.500	1000
SKSD0804D-221	220	M、N	100/0.25	0.610	800
SKSD0804D-331	330	M、N	100/0.25	1.02	600
SKSD0804D-471	470	M、N	100/0.25	1.27	500
SKSD0804D-681	680	M、N	100/0.25	2.02	400
SKSD0804D-102	1000	M、N	100/0.25	3.00	300

SKSD0804T TYPE

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD0804T-1R0	1.0	M、N	100/0.25	0.021	5600
SKSD0804T-1R5	1.5	M、N	100/0.25	0.022	5200
SKSD0804T-2R2	2.2	M、N	100/0.25	0.032	5000
SKSD0804T-3R3	3.3	M、N	100/0.25	0.039	3900
SKSD0804T-4R7	4.7	M、N	100/0.25	0.054	3200
SKSD0804T-6R8	6.8	M、N	100/0.25	0.075	2800
SKSD0804T-100		M、N	100/0.25	0.101	2400
SKSD0804T-150	15	M、N	100/0.25	0.150	2000
SKSD0804T-220	22	M、N	100/0.25	0.207	1600
SKSD0804T-330	33	M、N	100/0.25	0.334	1400
SKSD0804T-470	47	M、N	100/0.25	0.472	1000

SKSD1306D TYPE

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD01306D-1R0	1.0	M、N	100/0.25	0.009	20000
SKSD01306D-2R2	2.2	M、N	100/0.25	0.014	16000
SKSD01306D-3R3	3.3	M、N	100/0.25	0.015	14000
SKSD01306D-5R6	5.6	M、N	100/0.25	0.020	12000
SKSD01306D-100	10	M、N	100/0.25	0.031	10000
SKSD01306D-150	15	M、N	100/0.25	0.036	8000
SKSD01306D-220	22	M、N	100/0.25	0.047	7000
SKSD01306D-330	33	M、N	100/0.25	0.066	5500
SKSD01306D-470	47	M、N	100/0.25	0.086	4500
SKSD01306D-680	68	M、N	100/0.25	0.130	3500
SKSD01306D-101	100	M、N	100/0.25	0.190	3000
SKSD01306D-151	150	M、N	100/0.25	0.320	2600
SKSD01306D-221	220	M、N	100/0.25	0.380	2400
SKSD01306D-331	330	M、N	100/0.25	0.560	1900
SKSD01306D-471	470	M、N	100/0.25	0.850	1400
SKSD01306D-681	680	M、N	100/0.25	1.10	1200
SKSD01306D-102	1000	M、N	100/0.25	1.80	1000
SKSD01306D-202	2000	M、N	100/0.25	4.50	300

SKSD1306T TYPE

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD01306T-100	10	M、N	100/0.25	0.040	8000
SKSD01306T-150	15	M、N	100/0.25	0.048	7000
SKSD01306T-220	22	M、N	100/0.25	0.059	6000
SKSD01306T-330	33	M、N	100/0.25	0.075	5000
SKSD01306T-470	47	M、N	100/0.25	0.097	4000

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSD01306T-680	68	M、N	100/0.25	0.138	3000
SKSD01306T-101	100	M、N	100/0.25	0.207	2400
SKSD01306T-151	150	M. N	100/0.25	0.293	2100
SKSD01306T-221	220	M、N	100/0.25	0.470	1900
SKSD01306T-331	330	M. N	100/0.25	0.780	1100
SKSD01306T-471	470	M、N	100/0.25	1.08	1000
SKSD01306T-681	680	M、N	100/0.25	1.40	960
SKSD01306T-102	1000	M、N	100/0.25	2.01	800