Power Inductor

FEATURES

- Excellent high saturation resistance
- Small volume, thin thickness

APPLICATIONS

- It can be used as energy storage inductance and filter inductance in various DC-DC converters and chargers

PRODUCT IDENTIFICATION

SKSM 4532 — 3R3 M

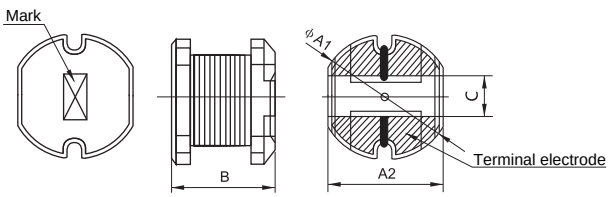
Product Code

Dimension ：**D** × **H** (mm)

Inductance Deviation
M：±20%
N：±30%

Inductance Value
47N：0.047μH
R47：0.47μH
4R7：4.7μH
150：15μH
151：150μH
152：1500μH
153：15000μH

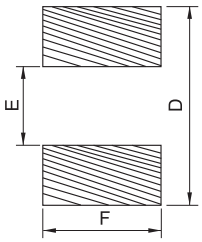
SHAPE AND DIMENSIONS



Units:mm

Type specification	Product size			
	φ A1	A2	B	C(RET)
SKSM3521	3.5±0.2	3.0±0.2	2.1±0.3	0.8
SKSM4520	4.5±0.2	4.0±0.2	2.0±0.3	1.2
SKSM4532	4.5±0.2	4.0±0.2	3.2±0.3	1.2
SKSM5830	5.8±0.2	5.2±0.2	3.0±0.3	1.5
SKSM5845	5.8±0.2	5.2±0.2	4.5±0.3	1.5
SKSM7835	7.8±0.2	7.0±0.2	3.5±0.3	2.1
SKSM7850	7.8±0.2	7.0±0.2	5.0±0.3	2.1
SKSM1040	10.0±0.2	9.0±0.2	4.0±0.3	2.5
SKSM1054	10.0±0.2	9.0±0.2	5.4±0.3	2.5

RECOMMENDED PAD SIZE



Units:mm

Type specification	Recommended pad size		
	D	E	F
SKSM3521	3.9±0.2	1.0±0.2	3.4±0.2
SKSM4520 SKSM4532	4.9±0.2	1.0±0.2	4.4±0.2
SKSM5830 SKSM5845	6.2±0.2	1.2±0.2	5.4±0.2
SKSM7835	8.2±0.2	1.8±0.2	7.2±0.2
SKSM7850	8.2±0.2	1.8±0.2	7.2±0.2
SKSM1040	10.4±0.2	2.3±0.2	9.2±0.2
SKSM1054	10.4±0.2	2.3±0.2	9.2±0.2

SPECIFICATIONS

SKSM3521 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
SKSM3521-1R0	1.0	M、N	100/0.25	0.04	2250
SKSM3521-1R4	1.4	M、N	100/0.25	0.06	2000
SKSM3521-1R8	1.8	M、N	100/0.25	0.065	1800
SKSM3521-2R2	2.2	M、N	100/0.25	0.07	1700
SKSM3521-2R7	2.7	M、N	100/0.25	0.09	1500
SKSM3521-3R3	3.3	M、N	100/0.25	0.10	1450
SKSM3521-3R9	3.9	M、N	100/0.25	0.12	1200
SKSM3521-4R7	4.7	M、N	100/0.25	0.14	1150
SKSM3521-5R6	5.6	M、N	100/0.25	0.16	1050
SKSM3521-6R8	6.8	M、N	100/0.25	0.20	950
SKSM3521-8R2	8.2	M、N	100/0.25	0.23	900
SKSM3521-100	10	M、N	100/0.25	0.29	800
SKSM3521-120	12	M、N	100/0.25	0.32	700
SKSM3521-150	15	M、N	100/0.25	0.40	650
SKSM3521-180	18	M、N	100/0.25	0.52	600
SKSM3521-220	22	M、N	100/0.25	0.66	550
SKSM3521-270	27	M、N	100/0.25	0.76	500
SKSM3521-330	33	M、N	100/0.25	0.87	450
SKSM3521-390	39	M、N	100/0.25	1.10	400

Part Number	Inductance	Inductance Tolerance	L Test Freq.	Max. DC Resistance	Rated Current
Units	μH	-	KHz/V	Ω	mA
Symbol	L	-	Freq	DCR	Ir
SKSM3521-470	47	M、N	100/0.25	1.20	350
SKSM3521-560	56	M、N	100/0.25	1.59	320
SKSM3521-680	68	M、N	100/0.25	1.82	300
SKSM3521-820	82	M、N	100/0.25	2.44	280
SKSM3521-101	100	M、N	100/0.25	2.84	260
SKSM3521-271	270	M、N	100/0.25	8.24	160
SKSM3521-331	330	M、N	100/0.25	10.19	140
SKSM3521-471	470	M、N	100/0.25	21.5	120

SKSM4520 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
SKSM4520-1R0	1.0	M、N	100/0.25	0.035	2700
SKSM4520-1R5	1.5	M、N	100/0.25	0.04	2500
SKSM4520-2R2	2.2	M、N	100/0.25	0.055	2000
SKSM4520-3R3	3.3	M、N	100/0.25	0.070	1750
SKSM4520-4R7	4.7	M、N	100/0.25	0.095	1500
SKSM4520-5R6	5.6	M、N	100/0.25	0.11	1400
SKSM4520-6R8	6.8	M、N	100/0.25	0.14	1200
SKSM4520-8R2	8.2	M、N	100/0.25	0.16	1100
SKSM4520-100	10	M、N	100/0.25	0.20	1000
SKSM4520-150	15	M、N	100/0.25	0.29	820
SKSM4520-180	18	M、N	100/0.25	0.34	800
SKSM4520-220	22	M、N	100/0.25	0.40	680
SKSM4520-330	33	M、N	100/0.25	0.60	550
SKSM4520-470	47	M、N	100/0.25	1.0	460
SKSM4520-680	68	M、N	100/0.25	1.3	390
SKSM4520-820	82	M、N	100/0.25	1.5	350
SKSM4520-121	120	M、N	100/0.25	1.9	320

SKSM4532 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
SKSM4532-1R0	1.0	M、N	100/0.25	0.033	3800
SKSM4532-1R4	1.4	M、N	100/0.25	0.038	3300
SKSM4532-1R8	1.8	M、N	100/0.25	0.042	2910
SKSM4532-2R2	2.2	M、N	100/0.25	0.047	2600
SKSM4532-2R7	2.7	M、N	100/0.25	0.052	2430
SKSM4532-3R3	3.3	M、N	100/0.25	0.058	2150
SKSM4532-3R9	3.9	M、N	100/0.25	0.072	1980
SKSM4532-4R7	4.7	M、N	100/0.25	0.080	1700
SKSM4532-5R6	5.6	M、N	100/0.25	0.098	1600
SKSM4532-6R8	6.8	M、N	100/0.25	0.120	1410
SKSM4532-8R2	8.2	M、N	100/0.25	0.132	1260
SKSM4532-100	10	M、N	100/0.25	0.175	1150
SKSM4532-120	12	M、N	100/0.25	0.200	1050
SKSM4532-150	15	M、N	100/0.25	0.235	850
SKSM4532-180	18	M、N	100/0.25	0.280	840
SKSM4532-220	22	M、N	100/0.25	0.378	760
SKSM4532-270	27	M、N	100/0.25	0.450	710
SKSM4532-330	33	M、N	100/0.25	0.540	640
SKSM4532-390	39	M、N	100/0.25	0.630	590
SKSM4532-470	47	M、N	100/0.25	0.820	540
SKSM4532-680	68	M、N	100/0.25	0.930	370
SKSM4532-101	100	M、N	100/0.25	1.350	400
SKSM4532-221	220	M、N	100/0.25	2.600	300
SKSM4532-331	330	M、N	100/0.25	3.5	220
SKSM4532-471	470	M、N	100/0.25	4.2	180
SKSM4532-561	560	M、N	100/0.25	6.0	120
SKSM4532-681	680	M、N	100/0.25	7.0	100
SKSM4532-102	1000	M、N	100/0.25	12.5	50

SKSM5845 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
SKSM5845-1R0	1.0	M、N	100/0.25	0.010	5000
SKSM5845-1R8	1.8	M、N	100/0.25	0.018	4000
SKSM5845-2R7	2.7	M、N	100/0.25	0.023	3000
SKSM5845-3R3	3.3	M、N	100/0.25	0.028	2500
SKSM5845-3R9	3.9	M、N	100/0.25	0.030	2000
SKSM5845-4R7	4.7	M、N	100/0.25	0.033	1800
SKSM5845-5R6	5.6	M、N	100/0.25	0.040	1650
SKSM5845-6R8	6.8	M、N	100/0.25	0.045	1600
SKSM5845-8R2	8.2	M、N	100/0.25	0.055	1500
SKSM5845-100	10	M、N	100/0.25	0.10	1440
SKSM5845-120	12	M、N	100/0.25	0.12	1400
SKSM5845-150	15	M、N	100/0.25	0.14	1300
SKSM5845-180	18	M、N	100/0.25	0.15	1230
SKSM5845-220	22	M、N	100/0.25	0.18	1110
SKSM5845-270	27	M、N	100/0.25	0.20	970
SKSM5845-330	33	M、N	100/0.25	0.23	880
SKSM5845-390	39	M、N	100/0.25	0.32	800
SKSM5845-470	47	M、N	100/0.25	0.37	720
SKSM5845-560	56	M、N	100/0.25	0.42	680
SKSM5845-680	68	M、N	100/0.25	0.46	610
SKSM5845-820	82	M、N	100/0.25	0.60	580
SKSM5845-101	100	M、N	100/0.25	0.70	520
SKSM5845-121	120	M、N	100/0.25	0.93	480
SKSM5845-151	150	M、N	100/0.25	1.10	400
SKSM5845-181	180	M、N	100/0.25	1.38	380
SKSM5845-221	220	M、N	100/0.25	1.57	350

SKSM7835 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
SKSM7835-1R0	1.0	M、N	100/0.25	0.015	6500
SKSM7835-1R8	1.8	M、N	100/0.25	0.020	4500
SKSM7835-2R7	2.7	M、N	100/0.25	0.025	3800
SKSM7835-3R3	3.3	M、N	100/0.25	0.030	3500
SKSM7835-3R9	3.9	M、N	100/0.25	0.032	3000
SKSM7835-4R7	4.7	M、N	100/0.25	0.040	2800
SKSM7835-5R6	5.6	M、N	100/0.25	0.055	2600
SKSM7835-6R8	6.8	M、N	100/0.25	0.065	2400
SKSM7835-8R2	8.2	M、N	100/0.25	0.075	2000
SKSM7835-100	10	M、N	100/0.25	0.080	1900
SKSM7835-120	12	M、N	100/0.25	0.090	1700
SKSM7835-150	15	M、N	100/0.25	0.095	1500
SKSM7835-180	18	M、N	100/0.25	0.100	1400
SKSM7835-220	22	M、N	100/0.25	0.13	1200
SKSM7835-270	27	M、N	100/0.25	0.15	1100
SKSM7835-330	33	M、N	100/0.25	0.18	1000
SKSM7835-390	39	M、N	100/0.25	0.22	900
SKSM7835-470	47	M、N	100/0.25	0.25	850
SKSM7835-560	56	M、N	100/0.25	0.30	800
SKSM7835-680	68	M、N	100/0.25	0.33	700
SKSM7835-820	82	M、N	100/0.25	0.41	650
SKSM7835-101	100	M、N	100/0.25	0.48	600
SKSM7835-121	120	M、N	100/0.25	0.60	550
SKSM7835-151	150	M、N	100/0.25	0.75	500
SKSM7835-181	180	M、N	100/0.25	1.02	450
SKSM7835-221	220	M、N	100/0.25	1.2	400
SKSM7835-271	270	M、N	100/0.25	1.4	320
SKSM7835-331	330	M、N	100/0.25	1.7	280
SKSM7835-471	470	M、N	100/0.25	2.5	250
SKSM7835-561	560	M、N	100/0.25	3.0	240
SKSM7835-681	680	M、N	100/0.25	3.7	220
SKSM7835-821	820	M、N	100/0.25	4.3	200

SKSM7850 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
SKSM7850-1R0	1.0	M、N	100/0.25	0.030	6800
SKSM7850-1R8	1.8	M、N	100/0.25	0.035	5260
SKSM7850-2R7	2.7	M、N	100/0.25	0.040	4020
SKSM7850-3R3	3.3	M、N	100/0.25	0.045	3600
SKSM7850-3R9	3.9	M、N	100/0.25	0.050	3260
SKSM7850-4R7	4.7	M、N	100/0.25	0.055	2970
SKSM7850-5R6	5.6	M、N	100/0.25	0.060	2740
SKSM7850-6RB	6.8	M、N	100/0.25	0.065	2530
SKSM7850-8R2	8.2	M、N	100/0.25	0.070	2360
SKSM7850-100	10	M、N	100/0.25	0.075	2070
SKSM7850-120	12	M、N	100/0.25	0.080	1850
SKSM7850-150	15	M、N	100/0.25	0.090	1670
SKSM7850-180	18	M、N	100/0.25	0.100	1520
SKSM7850-220	22	M、N	100/0.25	0.110	1400
SKSM7850-270	27	M、N	100/0.25	0.120	1240
SKSM7850-330	33	M、N	100/0.25	0.130	1160
SKSM7850-390	39	M、N	100/0.25	0.160	1050
SKSM7850-470	47	M、N	100/0.25	0.196	960
SKSM7850-560	56	M、N	100/0.25	0.240	870
SKSM7850-680	68	M、N	100/0.25	0.280	790
SKSM7850-820	82	M、N	100/0.25	0.370	720
SKSM7850-101	100	M、N	100/0.25	0.430	650
SKSM7850-121	120	M、N	100/0.25	0.470	590
SKSM7850-151	150	M、N	100/0.25	0.640	530
SKSM7850-181	180	M、N	100/0.25	0.710	490
SKSM7850-221	220	M、N	100/0.25	0.960	440
SKSM7850-271	270	M、N	100/0.25	1.15	400
SKSM7850-331	330	M、N	100/0.25	1.30	360
SKSM7850-391	390	M、N	100/0.25	1.80	330
SKSM7850-471	470	M、N	100/0.25	2.00	300
SKSM7850-561	560	M、N	100/0.25	2.20	280
SKSM7850-681	680	M、N	100/0.25	2.75	250
SKSM7850-821	820	M、N	100/0.25	3.10	230

SKSM1040 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
SKSM1040-1R0	1.0	M、N	100/0.25	0.015	7200
SKSM1040-1R8	1.8	M、N	100/0.25	0.020	4900
SKSM1040-2R7	2.7	M、N	100/0.25	0.025	4200
SKSM1040-3R3	3.3	M、N	100/0.25	0.030	3500
SKSM1040-3R9	3.9	M、N	100/0.25	0.032	3300
SKSM1040-4R7	4.7	M、N	100/0.25	0.035	3200
SKSM1040-5R6	5.6	M、N	100/0.25	0.040	2800
SKSM1040-6R8	6.8	M、N	100/0.25	0.046	2600
SKSM1040-8R2	8.2	M、N	100/0.25	0.052	2350
SKSM1040-100	10	M、N	100/0.25	0.071	2150
SKSM1040-120	12	M、N	100/0.25	0.076	2000
SKSM1040-150	15	M、N	100/0.25	0.080	1700
SKSM1040-180	18	M、N	100/0.25	0.089	1650
SKSM1040-220	22	M、N	100/0.25	0.10	1450
SKSM1040-270	27	M、N	100/0.25	0.12	1350
SKSM1040-330	33	M、N	100/0.25	0.13	1200
SKSM1040-390	39	M、N	100/0.25	0.16	1100
SKSM1040-470	47	M、N	100/0.25	0.19	1000
SKSM1040-560	56	M、N	100/0.25	0.22	900
SKSM1040-680	68	M、N	100/0.25	0.25	800
SKSM1040-820	82	M、N	100/0.25	0.30	750
SKSM1040-101	100	M、N	100/0.25	0.38	650
SKSM1040-121	120	M、N	100/0.25	0.44	600
SKSM1040-151	150	M、N	100/0.25	0.52	550
SKSM1040-181	180	M、N	100/0.25	0.60	500
SKSM1040-221	220	M、N	100/0.25	0.75	450
SKSM1040-271	270	M、N	100/0.25	0.88	400
SKSM1040-331	330	M、N	100/0.25	1.15	380
SKSM1040-39	390	M、N	100/0.25	1.38	340
SKSM1040-471	470	M、N	100/0.25	1.64	320
SKSM1040-561	560	M、N	100/0.25	2.06	290
SKSM1040-681	680	M、N	100/0.25	2.55	260
SKSM1040-821	820	M、N	100/0.25	3.10	240
SKSM1040-102	1000	M、N	100/0.25	3.55	220

SKSM1054 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
SKSM1054-1R0	1.0	M、N	100/0.25	0.010	7600
SKSM1054-1R8	1.8	M、N	100/0.25	0.012	6220
SKSM1054-2R7	2.7	M、N	100/0.25	0.020	4560
SKSM1054-3R3	3.3	M、N	100/0.25	0.025	4560
SKSM1054-3R9	3.9	M、N	100/0.25	0.028	4020
SKSM1054-4R7	4.7	M、N	100/0.25	0.031	3600
SKSM1054-5R6	5.6	M、N	100/0.25	0.035	3260
SKSM1054-6R8	6.8	M、N	100/0.25	0.039	2970
SKSM1054-8R2	8.2	M、N	100/0.25	0.042	2740
SKSM1054-100	10	M、N	100/0.25	0.045	2530
SKSM1054-120	12	M、N	100/0.25	0.065	2210
SKSM1054-150	15	M、N	100/0.25	0.069	2070
SKSM1054-180	18	M、N	100/0.25	0.080	1850
SKSM1054-220	22	M、N	100/0.25	0.090	1670
SKSM1054-270	27	M、N	100/0.25	0.098	1520
SKSM1054-330	33	M、N	100/0.25	0.114	1340
SKSM1054-390	39	M、N	100/0.25	0.123	1240
SKSM1054-470	47	M、N	100/0.25	0.15	1160
SKSM1054-560	56	M、N	100/0.25	0.16	1050
SKSM1054-680	68	M、N	100/0.25	0.22	940
SKSM1054-820	82	M、N	100/0.25	0.27	870
SKSM1054-101	100	M、N	100/0.25	0.32	790
SKSM1054-121	120	M、N	100/0.25	0.40	690
SKSM1054-151	150	M、N	100/0.25	0.47	620
SKSM1054-221	220	M、N	100/0.25	0.68	510
SKSM1054-271	270	M、N	100/0.25	0.84	460
SKSM1054-331	330	M、N	100/0.25	1.01	420
SKSM1054-391	390	M、N	100/0.25	1.18	390
SKSM1054-471	470	M、N	100/0.25	1.42	350
SKSM1054-561	560	M、N	100/0.25	1.72	320
SKSM1054-681	680	M、N	100/0.25	2.10	290
SKSM1054-821	820	M、N	100/0.25	2.58	260
SKSM1054-102	1000	M、N	100/0.25	3.43	240