Radial Inductor

FEATURES

- Small size and light weight
- High Q value and large inductance range
- Heat shrink sleeve protection

APPLICATIONS

- Suitable for DC/DC conversion

PRODUCT IDENTIFICATION

SKRI 0304 — 1R0 K

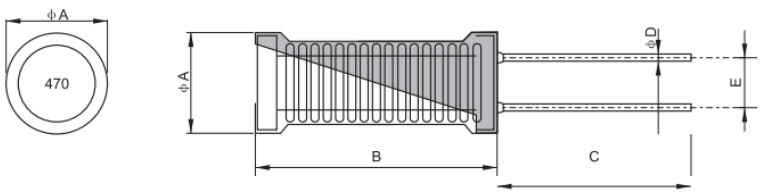
Product Code

Dimension： **Φ(Outer Diameter)×H**(mm)

Inductance Deviation
J：±5%
K：±10%
M：±20%
N：±30%

Inductance
4R7：4.7μH
471：470μH
1R0：1.0μH

SHAPE AND DIMENSIONS



Units: mm

Type Specification	Product Size				
	ϕAm	Bmax	C	ϕD	E
SKRI0406	6	9.5	By customer request	0.50±0.1	1.75±0.5
SKRI0507	7	12.0		0.60±0.1	2.5±0.5
SKRI0608	8	13.5		0.65±0.1	3.0±0.5
SKRI0810	9.5	15.5		0.65±0.1	5.0±0.5
SKRI0912	11.0	17.5		0.80±0.1	5.0±0.5
SKRI1012	12.5	16.0		0.80±0.1	5.0±0.5

RECOMMENDED PAD SIZE

SKRI0406 TYPE

Type Specification	Inductance L (μH)	Inductance deviation	L Test conditions (KHz/V)	Dc resistance Max (Ω)	Rated current Max (mA)
SKRI0406-1R0	1.0	K、M	1/0.25	0.022	3200
SKRI0406-1R2	1.2	K、M	1/0.25	0.026	3000
SKRI0406-1R5	1.5	K、M	1/0.25	0.032	2650
SKRI0406-1R8	1.8	K、M	1/0.25	0.035	2400
SKRI0406-2R2	2.2	K、M	1/0.25	0.040	2200
SKRI0406-2R7	2.7	K、M	1/0.25	0.045	2000
SKRI0406-3R3	3.3	K、M	1/0.25	0.050	1850
SKRI0406-3R9	3.9	K、M	1/0.25	0.055	1750
SKRI0406-4R7	4.7	K、M	1/0.25	0.065	1550
SKRI0406-5R6	5.6	K、M	1/0.25	0.070	1450
SKRI0406-6R8	6.8	K、M	1/0.25	0.080	1350
SKRI0406-8R2	8.2	K、M	1/0.25	0.095	1150
SKRI0406-100	10	K、M	1/0.25	0.100	1050
SKRI0406-120	12	K、M	1/0.25	0.120	1000
SKRI0406-150	15	K、M	1/0.25	0.140	900

SPECIFICATIONS

SKFWI0402 TYPE

Type Specification	Inductance L (μH)	Inductance deviation	L Test conditions (KHz/V)	Dc resistance Max (Ω)	Rated current Max (mA)
SKRI0406-180	18	K、M	1/0.25	0.160	800
SKRI0406-220	22	K、M	1/0.25	0.220	700
SKRI0406-270	27	K、M	1/0.25	0.240	650
SKRI0406-330	33	K、M	1/0.25	0.280	600
SKRI0406-390	39	K、M	1/0.25	0.350	550
SKRI0406-470	47	K、M	1/0.25	0.430	500
SKRI0406-560	56	K、M	1/0.25	0.510	450
SKRI0406-680	68	K、M	1/0.25	0.650	420
SKRI0406-820	82	K、M	1/0.25	0.800	380
SKRI0406-101	100	K、M	1/0.25	1.00	340
SKRI0406-121	120	K、M	1/0.25	1.25	310
SKRI0406-151	150	K、M	1/0.25	1.45	280
SKRI0406-181	180	K、M	1/0.25	1.90	250
SKRI0406-221	220	K、M	1/0.25	2.45	230
SKRI0406-271	270	K、M	1/0.25	2.75	210
SKRI0406-331	330	K、M	1/0.25	3.60	190
SKRI0406-391	390	K、M	1/0.25	4.00	170
SKRI0406-471	470	K、M	1/0.25	5.35	150

SPECIFICATIONS

SKRI0406 TYPE

Part Number	Inductance	Inductance Tolerance	L Test Conditions	Max. DC Resistance	Max. Rated Current
Units	μH	-	KHzN	Ω	mA
Symbol	L	-	-	DCR	Ir
SKRI0406-1R0	1.0	K、M	1/0.25	0.022	3200
SKRI0406-1R2	1.2	K、M	1/0.25	0.026	3000
SKRI0406-1R5	1.5	K、M	1/0.25	0.032	2650
SKRI0406-1R8	1.8	K、M	1/0.25	0.035	2400
SKRI0406-2R2	2.2	K、M	1/0.25	0.040	2200
SKRI0406-2R7	2.7	K、M	1/0.25	0.045	2000
SKRI0406-3R3	3.3	K、M	1/0.25	0.050	1850
SKRI0406-3R9	3.9	K、M	1/0.25	0.055	1750
SKRI0406-4R7	4.7	K、M	1/0.25	0.065	1550
SKRI0406-5R6	5.6	K、M	1/0.25	0.070	1450
SKRI0406-6R8	6.8	K、M	1/0.25	0.080	1350
SKRI0406-8R2	8.2	K、M	1/0,25	0.095	1150
SKRI0406-100	10	K、M	1/0.25	0.100	1050
SKRI0406-120	12	K、M	1/0.25	0.120	1000
SKRI0406-150	15	K、M	1/0.25	0.140	900
SKRI0406-180	18	K、M	1/0.25	0.16	800
SKRI0406-220	22	K、M	1/0.25	0.22	700
SKRI0406-270	27	K、M	1/0.25	0.24	650
SKRI0406-330	33	K、M	1/0.25	0.28	600
SKRI0406-390	39	K、M	1/0.25	0.35	550
SKRI0406-470	47	K、M	1/0.25	0.43	500
SKRI0406-560	56	K、M	1/0.25	0.51	450
SKRI0406-680	68	K、M	1/0.25	0.65	420
SKRI0406-820	82	K、M	1/0.25	0.8	380
SKRI0406-101	100	K、M	1/0.25	1	340
SKRI0406-121	120	K、M	1/0.25	1.25	310
SKRI0406-151	150	K、M	1/0.25	1.45	280
SKRI0406-181	180	K、M	1/0.25	1.9	250
SKRI0406-221	220	K、M	1/0.25	2.45	230
SKRI0406-271	270	K、M	1/0.25	2.75	210
SKRI0406-331	330	K、M	1/0.25	3.6	190
SKRI0406-391	390	K、M	1/0.25	4	170
SKRI0406-471	470	K、M	1/0.25	5.35	150

Note: Inductance deviation code is: K or M, K:±10%, M:±20%.

SKRI0507 TYPE

Part Number	Inductance	Inductance Tolerance	L Test Conditions	Max. DC Resistance	Max. Rated Current
Units	μH	-	KHzN	Ω	mA
Symbol	L	-	-	DCR	Ir
SKRI0507-1R5	1.5	K、M	1/0.25	0.018	3500
SKRI0507-1R8	1.8	K、M	1/0.25	0.020	3100
SKRI0507-2R2	2.2	K、M	1/0.25	0.026	2800
SKRI0507-2R7	2.7	K、M	1/0.25	0.031	2500
SKRI0507-3R3	3.3	K、M	1/0.25	0.040	2300
SKRI0507-3R9	3.9	K、M	1/0.25	0.045	2100
SKRI0507-4R7	4.7	K、M	1/0.25	0.048	1950
SKRI0507-5R6	5.6	K、M	1/0.25	0.058	1700
SKRI0507-6R8	6.8	K、M	1/0.25	0.066	1600
SKRI0507-8R2	8.2	K、M	1/0.25	0.082	1450
SKRI0507-100	10	K、M	1/0.25	0.090	1300
SKRI0507-120	12	K、M	1/0.25	0.097	1150
SKRI0507-150	15	K、M	1/0.25	0.110	1050
SKRI0507-180	18	K、M	1/0.25	0.130	1000
SKRI0507-220	22	K、M	1/0.25	0.150	900
SKRI0507-270	27	K、M	1/0.25	0.190	790
SKRI0507-330	33	K、M	1/0.25	0.230	730
SKRI0507-390	39	K、M	1/0.25	0.260	670
SKRI0507-470	47	K、M	1/0.25	0.330	610
SKRI0507-560	56	K、M	1/0.25	0.390	560
SKRI0507-680	68	K、M	1/0.25	0.480	510
SKRI0507-820	82	K、M	1/0.25	0.580	460
SKRI0507-101	100	K、M	1/0.25	0.750	420
SKRI0507-121	120	K、M	1/0.25	0.900	380
SKRI0507-151	150	K、M	1/0.25	1.15	340
SKRI0507-181	180	K、M	1/0.25	1.50	310
SKRI0507-221	220	K、M	1/0.25	1.90	280
SKRI0507-271	270	K、M	1/0.25	2.15	260
SKRI0507-331	330	K、M	1/0.25	2.75	230
SKRI0507-391	390	K、M	1/0.25	3.05	210
SKRI0507-471	470	K、M	1/0.25	4.00	190
SKRI0507-561	560	K、M	1/0.25	4.45	180
SKRI0507-681	680	K、M	1/0.25	5.05	160
SKRI0507-821	820	K、M	1/0.25	6.75	150
SKRI0507-102	1000	K、M	1/0.25	7.55	130

Note: Inductance deviation code is: K or M, K:±10%, M:±20%.

SKRI0608 TYPE

Part Number	Inductance	Inductance Tolerance	L Test Conditions	Max. DC Resistance	Max. Rated Current
Units	μH	-	KHzN	Ω	mA
Symbol	L	-	-	DCR	Ir
SKRI0608-1R2	1.2	K、M	1/0.25	0.014	4500
SKRI0608-1R5	1.5	K、M	1/0.25	0.016	4100
SKRI0608-2R2	2.2	K、M	1/0.25	0.021	3200
SKRI0608-2R7	2.7	K、M	1/0.25	0.023	2930
SKRI0608-3R3	3.3	K、M	1/0.25	0.025	2700
SKRI0608-3R9	3.9	K、M	1/0.25	0.029	2500
SKRI0608-4R7	4.7	K、M	1/0.25	0.031	2300
SKRI0608-5R6	5.6	K、M	1/0.25	0.033	2150
SKRI0608-6R8	6.8	K、M	1/0.25	0.035	2000
SKRI0608-8R2	8.2	K、M	1/0.25	0.040	1750
SKRI0608-100	10	K、M	1/0.25	0.046	1600
SKRI0608-120	12	K、M	1/0.25	0.058	1450
SKRI0608-150	15	K、M	1/0.25	0.066	1300
SKRI0608-180	18	K、M	1/0.25	0.079	1200
SKRI0608-220	22	K、M	1/0.25	0.088	1100
SKRI0608-270	27	K、M	1/0.25	0.110	950
SKRI0608-330	33	K、M	1/0.25	0.130	900
SKRI0608-390	39	K、M	1/0.25	0.160	850
SKRI0608-470	47	K、M	1/0.25	0.190	750
SKRI0608-560	56	K、M	1/0.25	0.220	690
SKRI0608-680	68	K、M	1/0.25	0.260	620
SKRI0608-820	82	K、M	1/0.25	0.310	570
SKRI0608-101	100	K、M	1/0.25	0.370	520
SKRI0608-121	120	K、M	1/0.25	0.460	470
SKRI0608-151	150	K、M	1/0.25	0.600	420
SKRI0608-181	180	K、M	1/0.25	0.700	380
SKRI0608-221	220	K、M	1/0.25	0.850	350
SKRI0608-271	270	K、M	1/0.25	1.00	310
SKRI0608-331	330	K、M	1/0.25	1.14	280
SKRI0608-391	390	K、M	1/0.25	1.35	260
SKRI0608-471	470	K、M	1/0.25	1.65	240
SKRI0608-561	560	K、M	1/0.25	2.00	220
SKRI0608-681	680	K、M	1/0.25	2.50	200
SKRI0608-821	820	K、M	1/0.25	3.10	180
SKRI0608-102	1000	K、M	1/0.25	3.90	160

Note: Inductance deviation code is: K or M, K:±10%, M:±20%.

SKRI0810 TYPE

Part Number	Inductance	Inductance Tolerance	L Test Conditions	Max. DC Resistance	Max. Rated Current
Units	μH	-	KHzN	Ω	mA
Symbol	L	-	-	DCR	Ir
SKRI0810-2R2	2.2	K、M	1/0.-25	0.018	4800
SKRI0810-3R3	3.3	K、M	1/0.-25	0.020	4300
SKRI0810-3R9	3.9	K、M	1/0.-25	0.022	3850
SKRI0810-4R7	4.7	K、M	1/0.25	0.024	3500
SKRI0810-5R6	5.6	K、M	1/0.25	0.027	3250
SKRI0810-6R8	6.8	K、M	1/0.25	0.031	2800
SKRI0810-8R2	8.2	K、M	1/0.-25	0.033	2600
SKRI0810-100	10	K、M	1/0.25	0.037	2350
SKRI0810-120	12	K、M	1/0.25	0.041	2250
SKRI0810-150	15	K、M	1/0.25	0.047	1900
SKRI0810-180	18	K、M	1/0.25	0.052	1750
SKRI0810-220	22	K、M	1/0.25	0.059	1600
SKRI0810-270	27	K、M	1/0.25	0.065	1430
SKRI0810-330	33	K、M	1/0.25	0.075	1300
SKRI0810-390	39	K、M	1/0.25	0.100	1180
SKRI0810-470	47	K、M	1/0.25	0.110	1090
SKRI0810-560	56	K、M	1/0.25	0.120	1000
SKRI0810-680	68	K、M	1/0.25	0.160	920
SKRI0810-820	82	K、M	1/0.25	0.170	820
SKRI0810-101	100	K、M	1/0.25	0.200	750
SKRI0810-121	120	K、M	1/0.25	0.240	690
SKRI0810-151	150	K、M	1/0.25	0.320	610
SKRI0810-181	180	K、M	1/0.25	0.360	560
SKRI0810-221	220	K、M	1/0.25	0.450	510
SKRI0810-271	270	K、M	1/0.25	0.550	410
SKRI0810-331	330	K、M	1/0.25	0.650	390
SKRI0810-391	390	K、M	1/0.25	0.800	380
SKRI0810-471	470	K、M	1/0.25	0.900	350
SKRI0810-561	560	K、M	1/0.25	1.150	320
SKRI0810-681	680	K、M	1/0.25	1.360	290
SKRI0810-821	820	K、M	1/0.25	1.650	260
SKRI0810-102	1000	K、M	1/0.25	2.000	240

Note: Inductance deviation code is: K or M, K:±10%, M:±20%.

SKRI0912 TYPE

Part Number	Inductance	Inductance Tolerance	L Test Conditions	Max. DC Resistance	Max. Rated Current
Units	μH	-	KHzN	Ω	mA
Symbol	L	-	-	DCR	Ir
SKRI0912-132	1000-1500		1/0.25	1.20±0.05	400
SKRI0912-142	1000-1500		1/0.25	1.50±0.05	400
SKRI0912-332	3300	K、M	1/0.25	5.000	250
SKRI0912-502	5000	K、M	1/0.25	7.000	200
SKRI0912-602	6000	K、M	1/0.25	7.700	200
SKRI0912-902	9000	K、M	1/0.25	10.000	200
SKRI0912-103	10000	K、M	1/0-25	11.000	200
SKRI0912-113	11000	K、M	1/0.25	12.000	200

Note: Inductance deviation code is: K or M, K:±10%, M:±20%.

SKRI1012 TYPE

Part Number	Inductance	Inductance Tolerance	L Test Conditions	Max. DC Resistance	Max. Rated Current
Units	μH	-	KHzN	Ω	mA
Symbol	L	-	-	DCR	Ir
SKRI1012-330	33	K、M	1/0.25	0.065	3000
SKRI1012-560	56	K、M	1/0.25	0.060	2500
SKRI1012-680	68	K、M	1/0.25	0.120	1750
SKRI1012-101	100	K、M	1/0.25	0.180	1500
SKRI1012-221	220	K、M	1/0.25	0.400	1000
SKRI1012-331	330	K、M	1/0.25	0.550	800
SKRI1012-102	1000	K、M	1/0.25	1.5	450
SKRI1012-152	1500	K、M	1/0.25	3.2	320
SKRI1012-252	2500	K、M	1/0.25	4.0	270
SKRI1012-302	3000	K、M	1/0.25	6.0	280
SKRI1012-104	100000	K、M	1/0.25	225	50
SKRI1012-504	500000	K、M	1/0.25	770	10

Note: Inductance deviation code is: K or M, K:±10%, M:±20%.