

# RI Series Radial Lead Inductors



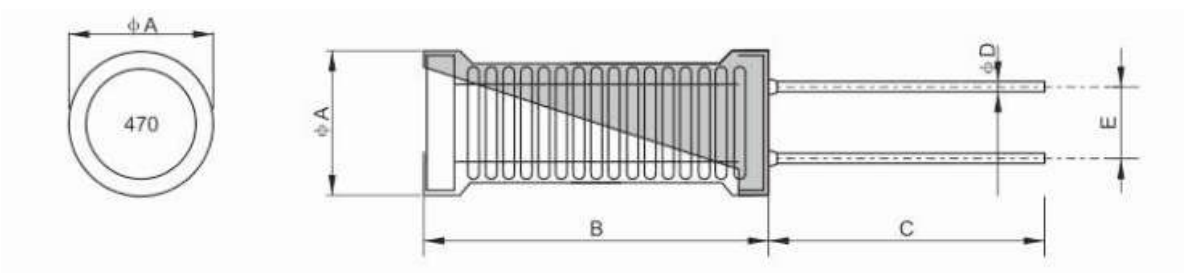
## FEATURES

- Ideal as a choke coil for noise filtering
- Small size radial lead type
- With a special base for uniform lead wire
- Available with or without heat shrunk
- High Q with high rate current.

## APPLICATIONS

- TVs and Audio equipment and Switching power supplies.
- Buzzers and Alarm systems
- Notebook computer, DC - DC converters and air-conditions, etc

## SHAPE AND DIMENSIONS



Part Number	Dimensions (mm)				
	$\Phi$ A(MAX)	BMAX)	C(MAX)	D	E
RI0304	5	7.5	According to customer demand	0.50±0.1	1.5±0.5
RI0406	6	9.5		0.50±0.1	1.75±0.5
RI0507	7	12.0		0.60±0.1	2.5±0.5
RI0608	8	13.5		0.65±0.1	3.0±0.5
RI0810	9.5	15.5		0.65±0.1	5.0±0.5
RI0812	9.5	17.5		0.80±0.1	5.0±0.5
RI0912	11.0	17.5		0.80±0.1	5.0±0.5
RI1012	12.5	18.0		0.80±0.1	5.0±0.5
RI1016	12.5	20.0		0.80±0.1	7.5±0.5
RI1214	15.0	17.5		0.80±0.1	7.5±0.5
RI1216	15.0	20.0		0.80±0.1	7.5±0.5

## PRODUCT IDENTIFICATION



- ① Series name
- ② Dimensions D×L
- ③ Inductance: R47-0.47uH 4R7-4.7uH 100-10uH
- ④ Tolerance: K: ±10% M: ±20%

## SPECIFICATIONS

### ● RI0304 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0304-1R0□	1.0	K、M	1/0.25	0.03	2100
RI0304-1R5□	1.5			0.04	1700
RI0304-2R2□	2.2			0.05	1400
RI0304-2R7□	2.7			0.06	1250
RI0304-3R3□	3.3			0.08	1100
RI0304-3R9□	3.9			0.09	1000
RI0304-4R7□	4.7			0.11	950
RI0304-5R6□	5.6			0.14	850
RI0304-6R8□	6.8			0.17	750
RI0304-8R2□	8.2			0.19	700
RI0304-100□	10			0.23	650
RI0304-120□	12			0.29	550
RI0304-150□	15			0.33	500
RI0304-180□	18			0.42	480
RI0304-220□	22			0.52	440
RI0304-270□	27			0.68	400
RI0304-330□	33			0.75	360
RI0304-390□	39			0.95	330
RI0304-470□	47			1.35	300
RI0304-560□	56			1.45	270
RI0304-680□	68			2.00	250
RI0304-820□	82			2.20	230
RI0304-101□	100			3.10	210
RI0304-121□	120			3.50	190
RI0304-151□	150			4.05	170
RI0304-181□	180			4.50	150
RI0304-221□	220	6.75	140		

**Note:** When ordering, please specify tolerance code. Tolerance: K: ±10%; M: ±20%;

1. Operating temperature range -40 -125 °C
2. Isat for inductance drop 30% from its value without current



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● RI0406 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0406-1R0□	1.0	K、M	1/0.25	0.022	3200
RI0406-1R2□	1.0			0.026	3000
RI0406-1R5□	1.5			0.032	2650
RI0406-1R8□	1.8			0.035	2400
RI0406-2R2□	2.2			0.040	2200
RI0406-2R7□	2.7			0.045	2000
RI0406-3R3□	3.3			0.050	1850
RI0406-3R9□	3.9			0.055	1750
RI0406-4R7□	4.7			0.065	1550
RI0406-5R6□	5.6			0.070	1450
RI0406-6R8□	6.8			0.080	1350
RI0406-8R2□	8.2			0.095	1150
RI0406-100□	10			0.100	1050
RI0406-120□	12			0.120	1000
RI0406-150□	15			0.140	900
RI0406-180□	18			0.160	800
RI0406-220□	22			0.220	700
RI0406-270□	27			0.240	650
RI0406-330□	33			0.280	600
RI0406-390□	39			0.350	550
RI0406-470□	47			0.430	500
RI0406-560□	56			0.510	450
RI0406-680□	68			0.650	420
RI0406-820□	82			0.800	380
RI0406-101□	100			1.00	340
RI0406-121□	120			1.25	310
RI0406-151□	150			1.45	280
RI0406-181□	180			1.90	250
RI0406-221□	220			2.45	230
RI0406-271□	270			2.75	210
RI0406-331□	330			3.60	190
RI0406-391□	390			4.00	170

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Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0406-471□	470	K、M	1/0.25	5.35	150

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%; M: ±20%;

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● RI0507 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0507-1R5□	1.5	K、M	1/0.25	0.018	3500
RI0507-1R8□	1.8			0.020	3100
RI0507-2R2□	2.2			0.026	2800
RI0507-2R7□	2.7			0.031	2500
RI0507-3R3□	3.3			0.040	2300
RI0507-3R9□	3.9			0.045	2100
RI0507-4R7□	4.7			0.048	1950
RI0507-5R6□	5.6			0.058	1700
RI0507-6R8□	6.8			0.066	1600
RI0507-8R2□	8.2			0.082	1450
RI0507-100□	10			0.090	1300
RI0507-120□	12			0.097	1150
RI0507-150□	15			0.110	1050
RI0507-180□	18			0.130	1000
RI0507-220□	22			0.150	900
RI0507-270□	27			0.190	790
RI0507-330□	33			0.230	730
RI0507-390□	39			0.260	670
RI0507-470□	47			0.330	610
RI0507-560□	56			0.390	560
RI0507-680□	68	0.480	510		
RI0507-820□	82	0.580	460		
RI0507-101□	100	0.750	420		
RI0507-121□	120	0.900	380		
RI0507-151□	150	1.15	340		
RI0507-181□	180	1.50	310		

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Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0507-221□	220	K、M	1/0.25	1.90	280
RI0507-271□	270			2.15	260
RI0507-331□	330			2.75	230
RI0507-391□	390			3.05	210
RI0507-471□	470			4.00	190
RI0507-561□	560			4.45	180
RI0507-681□	680			5.05	160
RI0507-821□	820			6.75	150
RI0507-102□	1000			7.55	130

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%; M: ±20%

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● RI0608 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0608-1R2□	1.2	K、M	1/0.25	0.014	4500
RI0608-1R5□	1.5			0.016	4100
RI0608-2R2□	2.2			0.021	3200
RI0608-2R7□	2.7			0.023	1930
RI0608-3R3□	3.3			0.025	2700
RI0608-3R9□	3.9			0.029	2500
RI0608-4R7□	4.7			0.031	2300
RI0608-5R6□	5.6			0.033	2150
RI0608-6R8□	6.8			0.035	2000
RI0608-8R2□	8.2			0.040	1750
RI0608-100□	10			0.046	1600
RI0608-120□	12			0.058	1450
RI0608-150□	15			0.066	1300
RI0608-180□	18			0.079	1200
RI0608-220□	22			0.088	1100
RI0608-270□	27			0.110	950
RI0608-330□	33			0.130	900
RI0608-390□	39			0.160	850



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Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0608-47□	47	K、M	1/0.25	0.190	750
RI0608-560□	56			0.220	690
RI0608-680□	68			0.260	620
RI0608-820□	82			0.310	570
RI0608-101□	100			0.370	520
RI0608-121□	120			0.460	470
RI0608-151□	150			0.600	420
RI0608-181□	180			0.700	380
RI0608-221□	220			0.850	350
RI0608-271□	270			1.00	310
RI0608-331□	330			1.14	280
RI0608-391□	390			1.35	260
RI0608-471□	470			1.65	240
RI0608-561□	560			2.00	220
RI0608-681□	680			2.50	200
RI0608-821□	820			3.10	180
RI0608-102□	1000			3.90	160

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%; M: ±20%;

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#### ● RI0810 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0810-2R2□	2.2	K、M	1/0.25	0.018	4800
RI0810-3R3□	3.3			0.020	4300
RI0810-3R9□	3.9			0.022	3850
RI0810-4R7□	4.7			0.024	3500
RI0810-5R6□	5.6			0.027	3250
RI0810-6R8□	6.8			0.031	2800
RI0810-8R2□	8.2			0.033	2600
RI0810-100□	10			0.037	2350
RI0810-120□	12			0.041	2250
RI0810-150□	15			0.047	1900



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Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0810-180□	18	K、M	1/0.25	0.052	1750
RI0810-220□	22			0.059	1600
RI0810-270□	27			0.065	1430
RI0810-330□	33			0.075	1300
RI0810-390□	39			0.100	1180
RI0810-470□	47			0.110	1090
RI0810-560□	56			0.120	1000
RI0810-680□	68			0.160	920
RI0810-820□	82			0.170	820
RI0810-101□	100			0.200	750
RI0810-121□	120			0.240	690
RI0810-151□	150			0.320	610
RI0810-181□	180			0.360	560
RI0810-221□	220			0.450	510
RI0810-271□	270			0.550	560
RI0810-331□	330			0.650	410
RI0810-391□	390			0.800	380
RI0810-471□	470			0.900	350
RI0810-561□	560			1.150	320
RI0810-681□	680			1.360	290
RI0810-821□	820	1.650	260		
RI0810-102□	1000	2.000	240		

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%; M: ±20%;

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#### ● RI0812 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0812-2R2□	2.2	K、M	1/0.25	0.021	7500
RI0812-3R3□	3.3			0.023	7000
RI0812-3R9□	3.9			0.026	6500
RI0812-4R7□	4.7			0.028	6000
RI0812-5R6□	5.6			0.030	5600



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Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0812-6R8□	6.8	K、M	1/0.25	0.037	4800
RI0812-8R2□	8.2			0.039	4500
RI0812-100□	10			0.044	4000
RI0812-120□	12			0.047	3750
RI0812-150□	15			0.055	3250
RI0812-180□	18			0.060	2950
RI0812-220□	22			0.065	2750
RI0812-270□	27			0.076	2450
RI0812-330□	33			0.083	2200
RI0812-390□	39			0.095	2000
RI0812-470□	47			0.120	1850
RI0812-560□	56			0.140	1700
RI0812-680□	68			0.170	1550
RI0812-820□	82			0.190	1400
RI0812-101□	100			0.220	1250
RI0812-121□	120			0.260	1180
RI0812-151□	150			0.350	1050
RI0812-181□	180			0.390	950
RI0812-221□	220			0.600	850
RI0812-271□	270			0.620	750
RI0812-331□	330			0.750	700
RI0812-391□	390			0.900	650
RI0812-471□	470			1.000	600
RI0812-561□	560			1.250	550
RI0812-681□	680			1.500	500
RI0812-821□	820			1.850	450
RI0812-102□	1000			2.25	400

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%; M: ±20%;

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● RI0912 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI0912-502	5000	K、M	1kHz/0.25V	7.000	200
RI0912-602	6000			7.700	200
RI0912-902	9000			10.000	200
RI0912-103	10000			11.000	200
RI0912-132	1000-1500			1.20±0.05	400
RI0912-142	1000-1500			1.50±0.05	400
RI0912-332	3300			5.000	250
RI0912-113	11000			12.000	200

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、M: ±20%;

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● RI1012 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI1012-330	33	K、M	1kHz/0.25V	0.065	3000
RI1012-560	56			0.060	2500
RI1012-680	68			0.120	1750
RI1012-101	100			0.180	1500
RI1012-221	220			0.400	1500
RI1012-331	330			0.550	800
RI1012-102	1000			1.5	450
RI1012-152	1500			3.2	320
RI1012-252	2500			4.0	270
RI1012-302	3000			6.0	280
RI1012-104	100000			225	50
RI1012-504	500000			770	10

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、M: ±20%;;

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● RI1016 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI1016-9R0	9.0	K、M	1kHz/0.25V	0.020	4000
RI1016-330	33			0.075	3000
RI1016-161	160			0.220	2000
RI1016-441	440			0.600	1000
RI1016-142	1400			1.2	600
RI1016-152	1500			1.8	400
RI1016-252	2500			2.4	285
RI1016-302	3000			3.5	400

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、M: ±20%;;

1. Operating temperature range -40 -125℃
2. Isat for idncutance drop 30% from its value without current

● RI1214 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI1214-101	100	K、M	1kHz/0.25V	0.250	3500
RI1214-151	150	K、M	1kHz/0.25V	0.231	3500
RI1214-471	470	K、M	1kHz/0.25V	0.750	2000

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、M: ±20%;;

1. Operating temperature range -40 -125℃
2. Isat for idncutance drop 30% from its value without current

● RI1216 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (MHz/V)	DCR Max(Ω)	Rated Current Max (mA)
RI1216-221	220	K、M	1kHz/0.25V	0.200	1500
RI1216-681	680	K、M	1kHz/0.25V	0.600	1000

Note: When ordering, please specify tolerance code. Tolerance: K: ±10%、M: ±20%;;

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