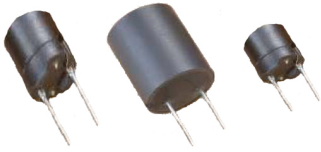


### Lead Type Radial Coil Inductor 引線型立式線圈電感

#### RI-S Series

Shielded Radial Choke Coil with Stand-off.



#### Features

1. Magnetically shielded with stand-off is incorporated to Core body.
2. Rugged reliability and performance fixed inductor.

#### Applications

Excellent as DC-DC converter boost or buck inductors.  
Also used for noise filtering applications.

#### 特徵

1. 具磁遮蔽，支座與鐵芯本體結合。
2. 严格的可靠度及表现一致的电感。

#### 應用

很适合应用于直流-直流器或作为低阻电感，亦用于滤波应用。

#### Dimensions

Figure A

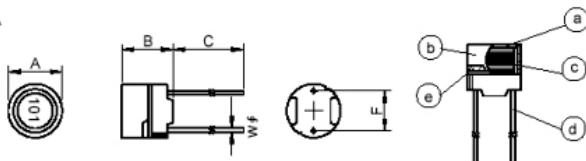
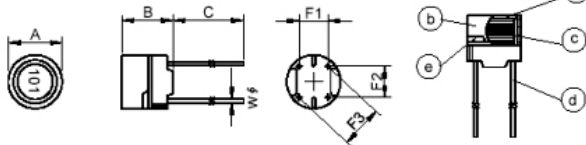


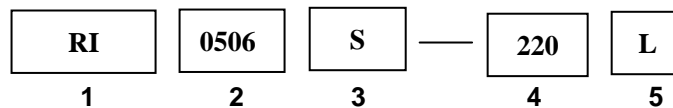
Figure B



	Material
a. Core	Ferrite DR Core
b. Core	Ferrite RI Core (RI-S Series)
c. Wire	Enamelled Copper Wire 130°C
d. Lead	Tinned Copper Wire
e. Adhesive	Epoxy Resin

Series	A	B	C	F	WΦ	F1	F2	F3	Figure
RI0807-S	7.80±0.5	7.50±0.5	15.0±0.3	5.0±0.5	0.65±0.05	--	--	--	A
RI1008-S	10.0±0.5	8.00±0.5	15.0±0.3	--	0.65±0.05	4.0±0.3	5.0±0.3	6.4±0.3	B
RI1010-S	10.0±0.5	10.0±0.5	15.0±0.3	--	0.65±0.05	4.0±0.3	5.0±0.3	6.4±0.3	B

#### Part Numbering



1. Series
2. Dimension : A\*B
3. Type: S=Shielded Radial Choke Coil with Stand-off.
4. Inductance: 220=22 uH
5. Inductance Tolerance: K=±10%,L=±15%, M=±20%

**RI 0807-S Series**

Part Number	Inductance (uH)	Test Freq. (Hz)	DCR ( $\Omega$ ) max	IDC (A) max
RI 0807S-220L	22	1V / 2.52M	0.080	1.600
RI 0807S-270L	27	1V / 2.52M	0.100	1.400
RI 0807S-330L	33	1V / 2.52M	0.140	1.300
RI 0807S-390L	39	1V / 2.52M	0.150	1.200
RI 0807S-470L	47	1V / 2.52M	0.170	1.100
RI 0807S-560K	56	1V / 2.52M	0.190	0.990
RI 0807S-680K	68	1V / 2.52M	0.210	0.890
RI 0807S-820K	82	1V / 2.52M	0.270	0.810
RI 0807S-101K	100	1V / 1K	0.320	0.740
RI 0807S-121K	120	1V / 1K	0.360	0.670
RI 0807S-151K	150	1V / 1K	0.510	0.600
RI 0807S-181K	180	1V / 1K	0.570	0.550
RI 0807S-221K	220	1V / 1K	0.760	0.500
RI 0807S-271K	270	1V / 1K	0.860	0.450
RI 0807S-331K	330	1V / 1K	0.970	0.410
RI 0807S-391K	390	1V / 1K	1.280	0.370
RI 0807S-471K	470	1V / 1K	1.440	0.340
RI 0807S-561K	560	1V / 1K	1.610	0.310
RI 0807S-681K	680	1V / 1K	2.070	0.280
RI 0807S-821K	820	1V / 1K	2.330	0.260
RI 0807S-102K	1000	1V / 1K	2.720	0.230

**RI 1008-S Series**

Part Number	Inductance (uH)	Test Freq. (Hz)	DCR ( $\Omega$ ) max	IDC (A) max
RI 1008S-100M	10	1V / 2.52M	0.050	2.800
RI 1008S-120M	12	1V / 2.52M	0.060	2.500
RI 1008S-150M	15	1V / 2.52M	0.070	2.300
RI 1008S-180M	18	1V / 2.52M	0.080	2.100
RI 1008S-220M	22	1V / 2.52M	0.090	2.000
RI 1008S-270M	27	1V / 2.52M	0.100	1.790
RI 1008S-330M	33	1V / 2.52M	0.110	1.600
RI 1008S-390M	39	1V / 2.52M	0.120	1.380
RI 1008S-470M	47	1V / 2.52M	0.140	1.280
RI 1008S-560K	56	1V / 2.52M	0.150	1.200
RI 1008S-680K	68	1V / 2.52M	0.160	1.000
RI 1008S-820K	82	1V / 2.52M	0.180	0.960
RI 1008S-101K	100	1V / 1K	0.200	0.920
RI 1008S-121K	120	1V / 1K	0.240	0.800
RI 1008S-151K	150	1V / 1K	0.350	0.730
RI 1008S-181K	180	1V / 1K	0.400	0.640
RI 1008S-221K	220	1V / 1K	0.540	0.610
RI 1008S-271K	270	1V / 1K	0.760	0.560
RI 1008S-331K	330	1V / 1K	0.860	0.500
RI 1008S-391K	390	1V / 1K	0.930	0.440
RI 1008S-471K	470	1V / 1K	1.230	0.410
RI 1008S-561K	560	1V / 1K	1.340	0.380
RI 1008S-681K	680	1V / 1K	1.530	0.340
RI 1008S-821K	820	1V / 1K	2.100	0.320
RI 1008S-102K	1000	1V / 1K	2.300	0.280

**RI 1010-S Series**

Part Number	Inductance (uH)	Test Freq. (Hz)	DCR ( $\Omega$ ) max	IDC (A) max
RI 1010S-100M	10	1V / 2.52M	0.023	3.510
RI 1010S-120M	12	1V / 2.52M	0.024	3.240
RI 1010S-150M	15	1V / 2.52M	0.036	2.880
RI 1010S-180M	18	1V / 2.52M	0.039	2.610
RI 1010S-220M	22	1V / 2.52M	0.042	2.340
RI 1010S-270M	27	1V / 2.52M	0.045	2.160
RI 1010S-330M	33	1V / 2.52M	0.057	1.890
RI 1010S-390M	39	1V / 2.52M	0.076	1.800
RI 1010S-470M	47	1V / 2.52M	0.100	1.620
RI 1010S-560K	56	1V / 2.52M	0.110	1.440
RI 1010S-680K	68	1V / 2.52M	0.150	1.350
RI 1010S-820K	82	1V / 2.52M	0.160	1.260
RI 1010S-101K	100	1V / 1K	0.190	1.080
RI 1010S-121K	120	1V / 1K	0.210	0.990
RI 1010S-151K	150	1V / 1K	0.230	0.900
RI 1010S-181K	180	1V / 1K	0.260	0.820
RI 1010S-221K	220	1V / 1K	0.290	0.740
RI 1010S-271K	270	1V / 1K	0.360	0.670
RI 1010S-331K	330	1V / 1K	0.510	0.610
RI 1010S-391K	390	1V / 1K	0.690	0.550
RI 1010S-471K	470	1V / 1K	0.980	0.510
RI 1010S-561K	560	1V / 1K	1.100	0.460
RI 1010S-681K	680	1V / 1K	1.200	0.420
RI 1010S-821K	820	1V / 1K	1.300	0.380
RI 1010S-102K	1000	1V / 1K	1.500	0.350