

On-Board Type Coils / Chip Inductors



Lead Type Inductor-Radial Inductor RI/RI-S/RI-1 Series

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. 嚴格的可靠度及表現一致的電感。

● 應用

很適合應用於直流-直流整流器或作為低階電感，亦用於濾波應用。

■ Dimensions

Figure.A

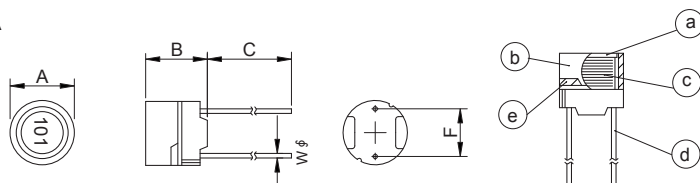
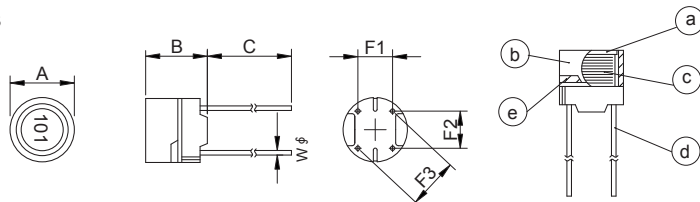


Figure.B



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

Series	A	B	C	F	WΦ	F1	F2	F3	Figure
RI 0807-S	7.8±0.5	7.50±0.5	15.0±0.3	5.0±0.5	0.65±0.05	--	--	--	A
RI 1008-S	10.0±0.5	8.0±0.5	15.0±0.3	--	0.65±0.05	4.0±0.3	5.0±0.3	6.4±0.3	B
RI 1010-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

Unit:mm

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■ RI 0807-S Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A)max.
RI 0807-220L-S	22 $\pm$ 15%	1V/2.52M	0.08	1.600
RI 0807-270L-S	27 $\pm$ 15%	1V/2.52M	0.10	1.400
RI 0807-330L-S	33 $\pm$ 15%	1V/2.52M	0.14	1.300
RI 0807-390L-S	39 $\pm$ 15%	1V/2.52M	0.15	1.200
RI 0807-470L-S	47 $\pm$ 15%	1V/2.52M	0.17	1.100
RI 0807-560K-S	56 $\pm$ 10%	1V/2.52M	0.19	0.990
RI 0807-680K-S	68 $\pm$ 10%	1V/2.52M	0.21	0.890
RI 0807-820K-S	82 $\pm$ 10%	1V/2.52M	0.27	0.810
RI 0807-101K-S	100 $\pm$ 10%	1V/1K	0.32	0.740
RI 0807-121K-S	120 $\pm$ 10%	1V/1K	0.36	0.670
RI 0807-151K-S	150 $\pm$ 10%	1V/1K	0.51	0.600
RI 0807-181K-S	180 $\pm$ 10%	1V/1K	0.57	0.550
RI 0807-221K-S	220 $\pm$ 10%	1V/1K	0.76	0.500
RI 0807-271K-S	270 $\pm$ 10%	1V/1K	0.86	0.450
RI 0807-331K-S	330 $\pm$ 10%	1V/1K	0.97	0.410
RI 0807-391K-S	390 $\pm$ 10%	1V/1K	1.28	0.370
RI 0807-471K-S	470 $\pm$ 10%	1V/1K	1.44	0.340
RI 0807-561K-S	560 $\pm$ 10%	1V/1K	1.61	0.310
RI 0807-681K-S	680 $\pm$ 10%	1V/1K	2.07	0.280
RI 0807-821K-S	820 $\pm$ 10%	1V/1K	2.33	0.260
RI 0807-102K-S	1000 $\pm$ 10%	1V/1K	2.72	0.230

■ RI 1008-S Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A)max.
RI 1008-100M-S	10 $\pm$ 20%	1V/2.52M	0.05	2.80
RI 1008-120M-S	12 $\pm$ 20%	1V/2.52M	0.06	2.50
RI 1008-150M-S	15 $\pm$ 20%	1V/2.52M	0.07	2.30
RI 1008-180M-S	18 $\pm$ 20%	1V/2.52M	0.08	2.10
RI 1008-220M-S	22 $\pm$ 20%	1V/2.52M	0.09	2.00
RI 1008-270M-S	27 $\pm$ 20%	1V/2.52M	0.10	1.76
RI 1008-330M-S	33 $\pm$ 20%	1V/2.52M	0.11	1.60
RI 1008-390M-S	39 $\pm$ 20%	1V/2.52M	0.12	1.38
RI 1008-470M-S	47 $\pm$ 20%	1V/2.52M	0.14	1.28
RI 1008-560K-S	56 $\pm$ 10%	1V/2.52M	0.15	1.20
RI 1008-680K-S	68 $\pm$ 10%	1V/2.52M	0.16	1.00
RI 1008-820K-S	82 $\pm$ 10%	1V/2.52M	0.18	0.96
RI 1008-101K-S	100 $\pm$ 10%	1V/1K	0.20	0.92
RI 1008-121K-S	120 $\pm$ 10%	1V/1K	0.24	0.80
RI 1008-151K-S	150 $\pm$ 10%	1V/1K	0.35	0.73
RI 1008-181K-S	180 $\pm$ 10%	1V/1K	0.40	0.64
RI 1008-221K-S	220 $\pm$ 10%	1V/1K	0.54	0.61
RI 1008-271K-S	270 $\pm$ 10%	1V/1K	0.76	0.56
RI 1008-331K-S	330 $\pm$ 10%	1V/1K	0.86	0.50

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■ RI 1008-S Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A)max.
RI 1008-391K-S	390 $\pm$ 10%	1V/1K	0.93	0.44
RI 1008-471K-S	470 $\pm$ 10%	1V/1K	1.23	0.41
RI 1008-561K-S	560 $\pm$ 10%	1V/1K	1.34	0.38
RI 1008-681K-S	680 $\pm$ 10%	1V/1K	1.53	0.34
RI 1008-821K-S	820 $\pm$ 10%	1V/1K	2.10	0.32
RI 1008-102K-S	1000 $\pm$ 10%	1V/1K	2.30	0.28

■ RI 1010-S Series

Part Number	Inductance (uH)	Test Frequency (Hz)	DCR (Ω) max.	IDC (A)max.
RI 1010-100M-S	10 $\pm$ 20%	1V/2.52M	0.023	3.51
RI 1010-120M-S	12 $\pm$ 20%	1V/2.52M	0.024	3.24
RI 1010-150M-S	15 $\pm$ 20%	1V/2.52M	0.036	2.88
RI 1010-180M-S	18 $\pm$ 20%	1V/2.52M	0.039	2.61
RI 1010-220M-S	22 $\pm$ 20%	1V/2.52M	0.042	2.34
RI 1010-270M-S	27 $\pm$ 20%	1V/2.52M	0.045	2.16
RI 1010-330M-S	33 $\pm$ 20%	1V/2.52M	0.057	1.89
RI 1010-390M-S	39 $\pm$ 20%	1V/2.52M	0.076	1.80
RI 1010-470M-S	47 $\pm$ 20%	1V/2.52M	0.100	1.62
RI 1010-560K-S	56 $\pm$ 10%	1V/2.52M	0.110	1.44
RI 1010-680K-S	68 $\pm$ 10%	1V/2.52M	0.150	1.35
RI 1010-820K-S	82 $\pm$ 10%	1V/2.52M	0.160	1.26
RI 1010-101K-S	100 $\pm$ 10%	1V/1K	0.190	1.08
RI 1010-121K-S	120 $\pm$ 10%	1V/1K	0.210	0.99
RI 1010-151K-S	150 $\pm$ 10%	1V/1K	0.230	0.90
RI 1010-181K-S	180 $\pm$ 10%	1V/1K	0.260	0.82
RI 1010-221K-S	220 $\pm$ 10%	1V/1K	0.290	0.74
RI 1010-271K-S	270 $\pm$ 10%	1V/1K	0.360	0.67
RI 1010-331K-S	330 $\pm$ 10%	1V/1K	0.510	0.61
RI 1010-391K-S	390 $\pm$ 10%	1V/1K	0.690	0.55
RI 1010-471K-S	470 $\pm$ 10%	1V/1K	0.980	0.51
RI 1010-561K-S	560 $\pm$ 10%	1V/1K	1.100	0.46
RI 1010-681K-S	680 $\pm$ 10%	1V/1K	1.200	0.42
RI 1010-821K-S	820 $\pm$ 10%	1V/1K	1.300	0.38
RI 1010-102K-S	1000 $\pm$ 10%	1V/1K	1.500	0.35