

Common Mode Inductors (with Optional Header)

Special Features

- Single layer wound
- Excellent EMI suppression capability over wide frequency spectrum
- High current capacity
- Dielectric strength: 1500 Vrms
- Coil mount on UL 94V-0 rated plastic header (optional)
- Fixed pin spacing allow easy PCB insertion
- Operating temperature: -55 to +105 °C

Notes

* Rated current to cause approx. 35 °C temperature rise

† *RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

How to Order

Model 8101 - RC

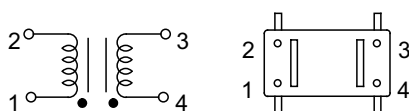
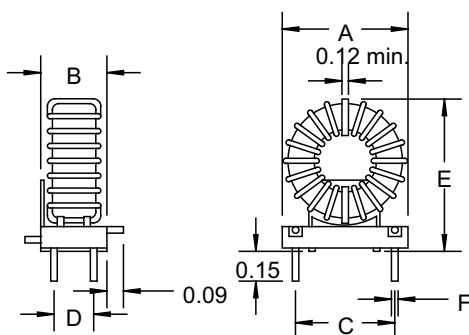
Configuration Blank

Blank = With mounting base
1 = Without mounting header (with vertical coil, 2-inch self-lead length, non-tinned)

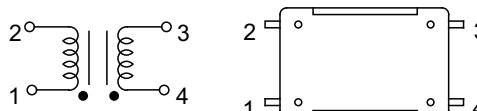
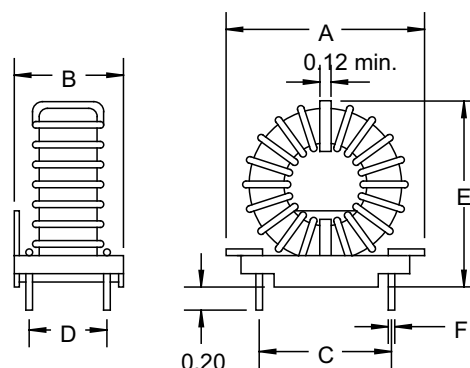
RoHS Compliant RC

8100 Series										
Part Number	L (mH) Min. @ 1 KHz	I (A)* Max.	DCR (Ω) Max.	Leakage Inductance (μH) Typ.	Dim. A Max.	Dim. B ±0.01 MAX.	Dim. C ±0.015	Dim. D ±0.015	Dim. E Max.	Dim. F Max.
8101-RC	4	1.7	0.173	27	0.76	0.455 MAX.	0.600	0.250	0.90	0.040
8102-RC	2.5	2.4	0.09	17	0.76	0.455 MAX.	0.600	0.250	0.90	0.040
8103-RC	1	4.8	0.022	7	0.76	0.455 MAX.	0.600	0.250	0.90	0.040
8104-RC	10	2.4	0.17	45	1.20	0.606	0.800	0.400	1.20	0.050
8105-RC	7	2.8	0.12	32	1.20	0.606	0.800	0.400	1.20	0.050
8106-RC	5	3.7	0.07	23	1.20	0.606	0.800	0.400	1.20	0.050
8107-RC	2	6.6	0.022	9	1.20	0.606	0.800	0.400	1.20	0.050
8108-RC	1	10	0.01	4.5	1.20	0.606	0.800	0.400	1.20	0.050
8109-RC	30	2.3	0.33	136	1.35	0.815	0.900	0.600	1.45	0.050
8110-RC	20	2.9	0.21	95	1.35	0.815	0.900	0.600	1.45	0.050
8111-RC	12	4	0.11	57	1.35	0.815	0.900	0.600	1.45	0.050
8112-RC	8	5.6	0.055	38	1.35	0.815	0.900	0.600	1.45	0.050
8113-RC	5	8.9	0.022	25	1.45	0.815	0.900	0.600	1.50	0.043
8114-RC	2.5	12.5	0.011	12.5	1.45	0.815	0.900	0.600	1.50	0.053
8115-RC	1.2	16	0.006	6	1.50	0.815	0.900	0.600	1.53	0.060
8116-RC	50	2.3	0.45	230	1.55	0.815	0.900	0.600	1.65	0.050
8117-RC	36	2.9	0.3	167	1.55	0.815	0.900	0.600	1.65	0.050
8118-RC	7.3	9.3	0.032	30.5	1.65	0.815	0.900	0.600	1.65	0.043
8119-RC	4	14.5	0.012	16	1.70	0.917	1.200	0.700	1.65	0.060
8120-RC	2.4	17	0.008	9.6	1.70	0.917	1.200	0.700	1.65	0.067
8121-RC	1	20	0.007	4	1.70	0.917	1.200	0.700	1.65	0.067

"-RC" suffix indicates RoHS compliance.



8101-8103



8104-8121

Dimensions: Inches

BOURNS®

Tel. (877) 426-8767 • Fax (951) 781-5006

www.bourns.com