# **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.

#### **Additional Information**

Click these links for more information:





**TECHNICAL** 



INVENTORY



SAMPLES



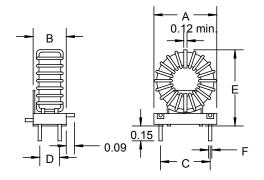


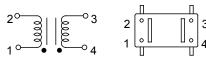
### **How to Order**

8101 F	łC
Model	
Configuration  Blank = With mounting base  1 = Without mounting header (with vertical coil, 2-inch self-lead length, non-tinned)	
RoHS Compliant	

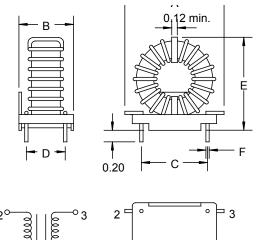
	8100 Series												
				DCR									
D	L (mH)	1/8\*	DCR	(-1RC)	Leakage	Dim.	Dim.	Dim.	Dim.	Dim.	Dim. F		
Part Number	Min. @ 1 KHz	l (A)* Max.	(-RC)(Ω) Max.	(Ω) Max.	Inductance (μΗ) Typ.	A Max.	B ±0.01	C ±0.015	D ±0.015	E Max.	r Max.		
8101-RC	4	1.7	0.173	0.22	27	0.76	0.455 MAX.	0.600	0.250	0.90	0.040		
8102-RC	2.5	2.4	0.09	0.12	17	0.76	0.455 MAX.	0.600	0.250	0.90	0.040		
8103-RC	1	4.8	0.022	0.029	7	0.76	0.455 MAX	0.600	0.250	0.90	0.040		
8104-RC	10	2.4	0.17	0.22	45	1.20	0.606	0.800	0.400	1.20	0.050		
8105-RC	7	2.8	0.12	0.16	32	1.20	0.606	0.800	0.400	1.20	0.050		
8106-RC	5	3.7	0.07	0.1	23	1.20	0.606	0.800	0.400	1.20	0.050		
8107-RC	2	6.6	0.022	0.03	9	1.20	0.606	0.800	0.400	1.20	0.050		
8108-RC	1	10	0.01	0.013	4.5	1.20	0.606	0.800	0.400	1.20	0.050		
8109-RC	30	2.3	0.33	0.43	136	1.35	0.815	0.900	0.600	1.45	0.050		
8110-RC	20	2.9	0.21	0.28	95	1.35	0.815	0.900	0.600	1.45	0.050		
8111-RC	12	4	0.11	0.15	57	1.35	0.815	0.900	0.600	1.45	0.050		
8112-RC	8	5.6	0.055	0.072	38	1.35	0.815	0.900	0.600	1.45	0.050		
8113-RC	5	8.9	0.022	0.029	25	1.45	0.815	0.900	0.600	1.50	0.043		
8114-RC	2.5	12.5	0.011	0.015	12.5	1.45	0.815	0.900	0.600	1.50	0.053		
8115-RC	1.2	16	0.006	0.008	6	1.50	0.815	0.900	0.600	1.53	0.060		
8116-RC	50	2.3	0.45	0.58	230	1.55	0.815	0.900	0.600	1.65	0.050		
8117-RC	36	2.9	0.3	0.39	167	1.55	0.815	0.900	0.600	1.65	0.050		
8118-RC	7.3	9.3	0.032	0.042	30.5	1.65	0.815	0.900	0.600	1.65	0.043		
8119-RC	4	14.5	0.012	0.016	16	1.70	0.917	1.200	0.700	1.65	0.060		
8120-RC	2.4	17	0.008	0.01	9.6	1.70	0.917	1.200	0.700	1.65	0.067		
8121-RC	1	20	0.007	0.0092	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**®

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