### **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

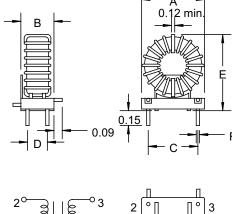
† \*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

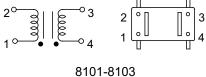
#### **How to Order**

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

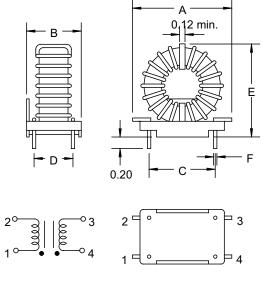
8100 Series											
	L (mH)		DCR	Leakage	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	
Part	Min.@	I (A)*	(Ω)	Inductance	Α	В	C	D	E	F	
Number	1 KHz	Max.	Max.	(μΗ) Тур.	Max.	±0.01	±0.015	±0.015	Max.	Max.	
8101-RC	4	1.7	0.173	27	0.76	0.455 MAX.	0.600	0.250	0.90	0.040	
8102-RC	2.5	2.4	0.09	17	0.76	0.455 MAX.	0.600	0.250	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	

<sup>&</sup>quot;-RC" suffix indicates RoHS compliance.





Dimensions: Inches



8104-8121



# **Mouser Electronics**

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## Bourns:

8107-RC 8120-RC 8110-RC 8106-RC 8121-RC 8112-RC 8118-RC 8119-RC 8101-RC 8101-R