

High Current Toroid Inductors

Special Features

- Low radiation
- Low core loss
- High operation frequency
- High current capacity
- Low core saturation
- Horizontal or vertical mount
- Operating temperature: -55 to +105 °C

Typical Applications

- High current, low voltage converters
- High-speed computers
- Video game machines
- Output chokes
- EMI filters

Notes

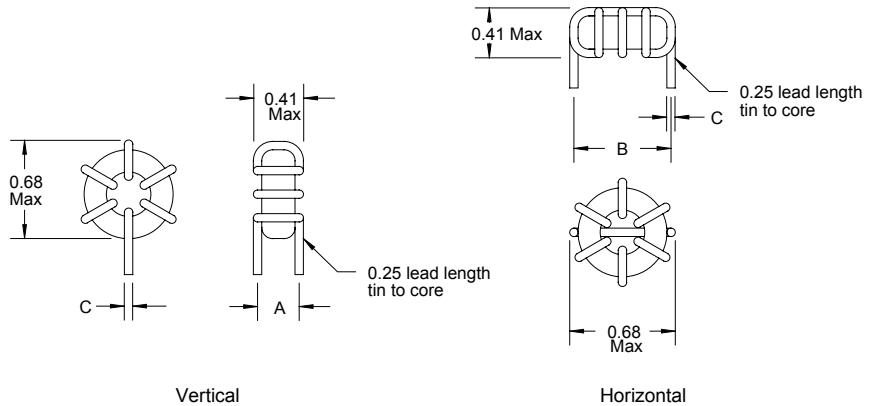
* Rated current to cause 40 °C temperature rise

2000 Series							
Part Number	L (μH)	Idc* (A)	L (μH)	DCR Ω	Dim. A	Dim. B	Dim. C
	±20 %		±20 %		Nom.	Nom.	Nom.
2000-R3	0.3	28.5	0.24	0.0010	0.35	0.60	0.059
2000-R5	0.5	24.7	0.41	0.0012	0.35	0.60	0.059
2000-R8	0.8	22.1	0.62	0.0014	0.35	0.60	0.059
2000-1R2	1.2	20.2	0.86	0.0017	0.35	0.60	0.059
2000-1R5	1.5	18.7	1.14	0.0020	0.35	0.60	0.059
2000-2R0	2.0	15.6	1.5	0.0027	0.34	0.59	0.053
2000-2R7	2.7	14.7	1.9	0.0030	0.34	0.59	0.053
2000-3R3	3.3	11.1	2.5	0.0053	0.33	0.58	0.042
2000-3R9	3.9	10.5	3.0	0.0059	0.33	0.58	0.042
2000-4R7	4.7	10.1	3.5	0.0064	0.33	0.58	0.042
2000-5R6	5.6	9.7	4.0	0.0069	0.33	0.58	0.042
2000-6R8	6.8	7.2	5.7	0.013	0.31	0.56	0.034
	± 15 %		± 15 %				
2000-8R2	8.2	7.0	6.4	0.014	0.31	0.56	0.034
2000-100	10	6.6	7.9	0.015	0.31	0.56	0.034
2000-120	12	6.4	8.7	0.016	0.31	0.56	0.034
2000-150	15	4.7	12.4	0.029	0.29	0.53	0.027
2000-180	18	4.5	14.5	0.032	0.29	0.53	0.027
2000-220	22	4.3	16.7	0.035	0.29	0.53	0.027
2000-270	27	4.1	20.4	0.039	0.29	0.53	0.027
2000-330	33	3.5	25.4	0.054	0.29	0.53	0.024
2000-390	39	3.3	29.9	0.059	0.29	0.53	0.024
2000-470	47	3.2	34.6	0.064	0.29	0.53	0.024

How To Order

2000 - 390 - V - RC

- Model _____
- Inductance Code _____
(First two digits are significant; third digit represents number of zeros to follow, e.g. 390 = 39 μH)
- Mounting Code _____
V = Vertical
H = Horizontal
- Termination Finish _____
Blank = Tin-lead
RC = RoHS compliant



Dimensions: Inches

BOURNS®