High Temperature, High Current Toroid Inductors

Special Features

- High temperature rating-up to +200 °C
- · Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55 to +200 °C

Typical Applications

- High operating temperature environments
- DC/DC converters
- Output chokes
- EMI filters

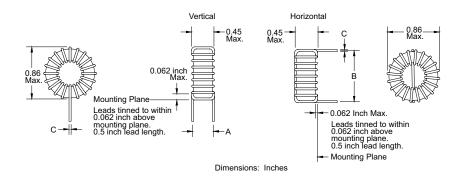
Notes

* Rated Idc causes a 50 °C temperature rise ** Insert -H or -V for mounting style before -RC Example: 2100HT-271-H-RC

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

L (μH) L (μH) DCR Dim.		2100HT Series			
Part $\pm 15\%$ ldc* $\pm 15\%$ (Ω) A	Dim. B	Dim. C			
Number @ 1 KHz (A) @ I rated Max. Nom.	Nom.	Nom.			
2100HT-1R0-RC 1.0 21.7 0.8 0.003 0.34	0.77	0.053			
2100HT-1R5-RC 1.5 19.8 1.2 0.003 0.34	0.77	0.053			
2100HT-2R2-RC 2.2 18.3 1.8 0.004 0.34	0.77	0.053			
2100HT-2R7-RC 2.7 17.1 2.1 0.004 0.34	0.77	0.053			
2100HT-3R3-RC 3.3 16.1 2.6 0.005 0.34	0.77	0.053			
2100HT-3R9-RC 3.9 15.3 3.0 0.005 0.34	0.77	0.053			
2100HT-4R7-RC 4.7 14.9 3.5 0.006 0.34	0.77	0.053			
2100HT-5R6-RC 5.6 14.3 4.1 0.006 0.34	0.77	0.053			
2100HT-6R8-RC 6.8 13.7 4.9 0.006 0.34	0.77	0.053			
2100HT-8R2-RC 8.2 13.2 5.9 0.007 0.34	0.77	0.053			
2100HT-100-RC 10 9.9 7.6 0.012 0.33	0.76	0.042			
2100HT-120-RC 12 9.6 9.0 0.013 0.33	0.76	0.042			
2100HT-150-RC 15 9.1 11.0 0.014 0.33	0.76	0.042			
2100HT-180-RC 18 8.6 13.0 0.016 0.33	0.76	0.042			
2100HT-220-RC 22 6.7 16.6 0.026 0.32	0.75	0.034			
2100HT-270-RC 27 6.4 20.1 0.028 0.32	0.75	0.034			
2100HT-330-RC 33 6.1 24.0 0.031 0.35	0.79	0.034			
2100HT-390-RC 39 5.9 28.0 0.033 0.35	0.79	0.034			
2100HT-470-RC 47 5.6 33.1 0.036 0.35	0.79	0.034			
2100HT-560-RC 56 5.3 38.5 0.040 0.35	0.79	0.034			
2100HT-680-RC 68 5.1 46.0 0.044 0.35	0.79	0.034			
2100HT-820-RC 82 4.8 54.0 0.049 0.35	0.79	0.034			
2100HT-101-RC 100 4.6 64.5 0.053 0.35	0.79	0.034			
2100HT-121-RC 120 3.5 84.4 0.094 0.34	0.77	0.027			
2100HT-151-RC 150 3.3 102.8 0.11 0.34	0.77	0.027			
2100HT-181-RC 180 3.1 120.7 0.12 0.34	0.77	0.027			
2100HT-221-RC 220 3.0 144.2 0.13 0.35	0.79	0.027			
2100HT-271-RC 270 2.8 172.6 0.14 0.35	0.79	0.027			
2100HT-331-RC 330 2.7 206.0 0.16 0.35	0.79	0.027			
2100HT-391-RC 390 2.1 266.7 0.27 0.33	0.76	0.022			
2100HT-471-RC 470 2.0 314.4 0.29 0.35	0.79	0.022			
2100HT-561-RC 560 1.9 366.9 0.32 0.35	0.79	0.022			
2100HT-681-RC 680 1.8 435.1 0.35 0.35	0.79	0.022			
2100HT-821-RC 820 1.7 512.0 0.39 0.37	0.81	0.022			
2100HT-102-RC 1000 1.6 608.2 0.43 0.37	0.81	0.022			

[&]quot;-RC" suffix indicates RoHS compliance.



BOURNS®