

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

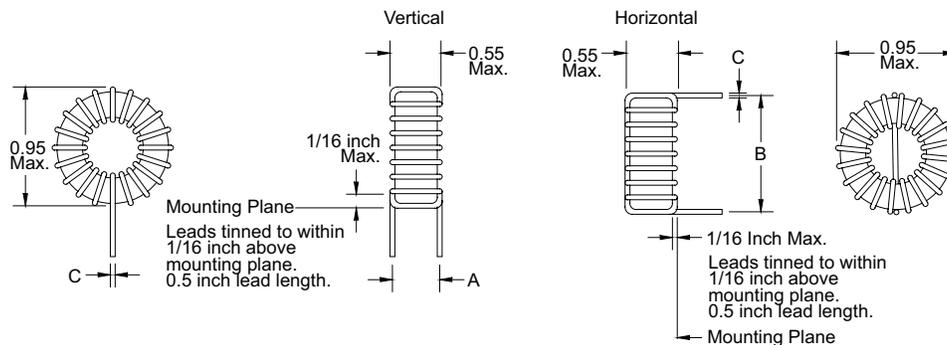
Notes

- * Rated I_{dc} causes a 50 °C temperature rise
 - ** Insert -H and -V for mounting style before -RC
- Example: 2200HT-390-H-RC

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

| 2200HT Series | | | | | | | |
|---------------|----------------|-----------------------|-----------------------------|---------|--------|--------|--------|
| Part Number | L (µH) | I _{dc} * (A) | L (µH) | DCR (Ω) | Dim. A | Dim. B | Dim. C |
| | ± 15 % @ 1 KHz | | ± 15 % @ I _{rated} | | | | |
| 2200HT-1R2-RC | 1.2 | 23.8 | 1.0 | 0.003 | 0.46 | 0.88 | 0.053 |
| 2200HT-1R8-RC | 1.8 | 21.8 | 1.5 | 0.004 | 0.46 | 0.88 | 0.053 |
| 2200HT-2R2-RC | 2.2 | 20.1 | 1.8 | 0.005 | 0.46 | 0.88 | 0.053 |
| 2200HT-3R3-RC | 3.3 | 18.8 | 2.7 | 0.005 | 0.46 | 0.88 | 0.053 |
| 2200HT-3R9-RC | 3.9 | 17.8 | 3.1 | 0.006 | 0.46 | 0.88 | 0.053 |
| 2200HT-4R7-RC | 4.7 | 16.9 | 3.7 | 0.006 | 0.46 | 0.88 | 0.053 |
| 2200HT-5R6-RC | 5.6 | 16.1 | 4.4 | 0.007 | 0.46 | 0.88 | 0.053 |
| 2200HT-6R8-RC | 6.8 | 15.7 | 5.2 | 0.007 | 0.46 | 0.88 | 0.053 |
| 2200HT-8R2-RC | 8.2 | 15.1 | 6.2 | 0.008 | 0.46 | 0.88 | 0.053 |
| 2200HT-100-RC | 10 | 11.2 | 7.9 | 0.014 | 0.46 | 0.88 | 0.053 |
| 2200HT-120-RC | 12 | 10.9 | 9.4 | 0.015 | 0.46 | 0.88 | 0.053 |
| 2200HT-150-RC | 15 | 10.3 | 11.5 | 0.017 | 0.46 | 0.88 | 0.053 |
| 2200HT-180-RC | 18 | 9.7 | 13.6 | 0.018 | 0.46 | 0.88 | 0.053 |
| 2200HT-220-RC | 22 | 9.3 | 16.3 | 0.020 | 0.45 | 0.87 | 0.042 |
| 2200HT-270-RC | 27 | 8.9 | 19.7 | 0.022 | 0.45 | 0.87 | 0.042 |
| 2200HT-330-RC | 33 | 8.4 | 23.5 | 0.025 | 0.45 | 0.87 | 0.042 |
| 2200HT-390-RC | 39 | 8.1 | 27.4 | 0.026 | 0.45 | 0.87 | 0.042 |
| 2200HT-470-RC | 47 | 6.4 | 34.9 | 0.042 | 0.44 | 0.86 | 0.034 |
| 2200HT-560-RC | 56 | 6.1 | 40.9 | 0.046 | 0.44 | 0.86 | 0.034 |
| 2200HT-680-RC | 68 | 5.8 | 48.8 | 0.050 | 0.44 | 0.86 | 0.034 |
| 2200HT-820-RC | 82 | 5.6 | 57.6 | 0.055 | 0.48 | 0.90 | 0.034 |
| 2200HT-101-RC | 100 | 5.3 | 68.9 | 0.061 | 0.48 | 0.90 | 0.034 |
| 2200HT-121-RC | 120 | 5.0 | 80.8 | 0.067 | 0.48 | 0.90 | 0.034 |
| 2200HT-151-RC | 150 | 4.8 | 98.4 | 0.075 | 0.48 | 0.90 | 0.034 |
| 2200HT-181-RC | 180 | 4.6 | 115.6 | 0.082 | 0.48 | 0.90 | 0.034 |
| 2200HT-221-RC | 220 | 4.3 | 137.5 | 0.091 | 0.48 | 0.90 | 0.034 |
| 2200HT-271-RC | 270 | 3.3 | 184.8 | 0.16 | 0.46 | 0.88 | 0.027 |
| 2200HT-331-RC | 330 | 3.1 | 220.7 | 0.18 | 0.46 | 0.88 | 0.027 |
| 2200HT-391-RC | 390 | 3.0 | 255.2 | 0.19 | 0.46 | 0.88 | 0.027 |
| 2200HT-471-RC | 470 | 2.8 | 300.5 | 0.21 | 0.49 | 0.91 | 0.027 |
| 2200HT-561-RC | 560 | 2.7 | 350.3 | 0.23 | 0.49 | 0.91 | 0.027 |
| 2200HT-681-RC | 680 | 2.6 | 414.8 | 0.27 | 0.49 | 0.91 | 0.027 |
| 2200HT-821-RC | 820 | 2.0 | 548.5 | 0.44 | 0.49 | 0.91 | 0.022 |
| 2200HT-102-RC | 1000 | 1.9 | 653.1 | 0.49 | 0.49 | 0.91 | 0.022 |

"-RC" suffix indicates RoHS compliance.



Dimensions: Inches

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[2200HT-180-V-RC](#) [2200HT-390-V-RC](#) [2200HT-680-V-RC](#) [2200HT-5R6-H-RC](#) [2200HT-221-V-RC](#) [2200HT-2R2-V-RC](#) [2200HT-271-V-RC](#) [2200HT-821-V-RC](#) [2200HT-8R2-V-RC](#) [2200HT-471-V-RC](#) [2200HT-561-V-RC](#) [2200HT-121-V-RC](#) [2200HT-1R2-V-RC](#) [2200HT-101-V-RC](#) [2200HT-151-V-RC](#) [2200HT-331-V-RC](#) [2200HT-102-H-RC](#) [2200HT-3R9-V-RC](#) [2200HT-680-H-RC](#) [2200HT-390-H-RC](#) [2200HT-180-H-RC](#) [2200HT-120-V-RC](#) [2200HT-150-V-RC](#) [2200HT-270-V-RC](#) [2200HT-3R3-V-RC](#) [2200HT-330-V-RC](#) [2200HT-560-V-RC](#) [2200HT-100-V-RC](#) [2200HT-820-V-RC](#) [2200HT-470-V-RC](#) [2200HT-220-V-RC](#) [2200HT-681-V-RC](#) [2200HT-391-V-RC](#) [2200HT-181-V-RC](#) [2200HT-3R9-H-RC](#) [2200HT-5R6-V-RC](#) [2200HT-820-H-RC](#) [2200HT-470-H-RC](#) [2200HT-220-H-RC](#) [2200HT-270-H-RC](#) [2200HT-560-H-RC](#) [2200HT-100-H-RC](#) [2200HT-120-H-RC](#) [2200HT-150-H-RC](#) [2200HT-3R3-H-RC](#) [2200HT-330-H-RC](#) [2200HT-102-V-RC](#) [2200HT-3R3-V](#) [2200HT-101-H](#) [2200HT-6R8-H](#) [2200HT-150-V](#) [2200HT-220-H](#) [2200HT-100-H](#) [2200HT-3R9-V](#) [2200HT-330-V](#) [2200HT-120-V](#) [2200HT-5R6-H](#) [2200HT-470-V](#) [2200HT-150-H](#) [2200HT-331-H](#) [2200HT-561-H](#) [2200HT-820-V](#) [2200HT-1R8-V](#) [2200HT-271-V](#) [2200HT-471-V](#) [2200HT-5R6-V](#) [2200HT-1R2-H](#) [2200HT-390-H](#) [2200HT-101-V](#) [2200HT-821-V](#) [2200HT-8R2-H](#) [2200HT-270-V](#) [2200HT-102-V](#) [2200HT-181-H](#) [2200HT-560-V](#) [2200HT-391-H](#) [2200HT-100H-RC](#) [2200HT-100V-RC](#) [2200HT-6R8-H-RC](#) [2200HT-1R8-H-RC](#) [2200HT-391-H-RC](#) [2200HT-181-H-RC](#) [2200HT-681-H-RC](#) [2200HT-4R7-H-RC](#) [2200HT-561-H-RC](#) [2200HT-151-H-RC](#) [2200HT-101-H-RC](#) [2200HT-121-H-RC](#) [2200HT-1R2-H-RC](#) [2200HT-331-H-RC](#) [2200HT-8R2-H-RC](#) [2200HT-821-H-RC](#) [2200HT-271-H-RC](#) [2200HT-221-H-RC](#) [2200HT-2R2-H-RC](#) [2200HT-471-H-RC](#) [2200HT-1R8-V-RC](#) [2200HT-6R8-V-RC](#) [2200HT-4R7-V-RC](#) [2200HT-681-V](#)