

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

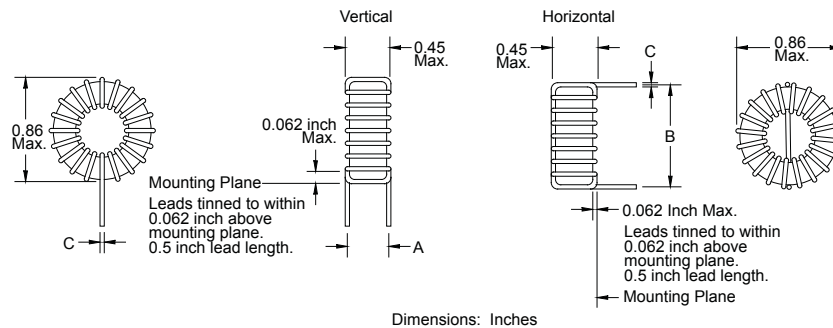
Notes

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

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

| 2100HT Series | | | | | | | |
|---------------|-----------------------|-----------------------|-------------------------|--------------|-------------|-------------|-------------|
| Part Number | L (μH) ± 15 % @ 1 KHz | I _{dc} * (A) | L (μH) ± 15 % @ I rated | DCR (Ω) Max. | Dim. A Nom. | Dim. B Nom. | Dim. C 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 |

“-RC” suffix indicates RoHS compliance.



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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