

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

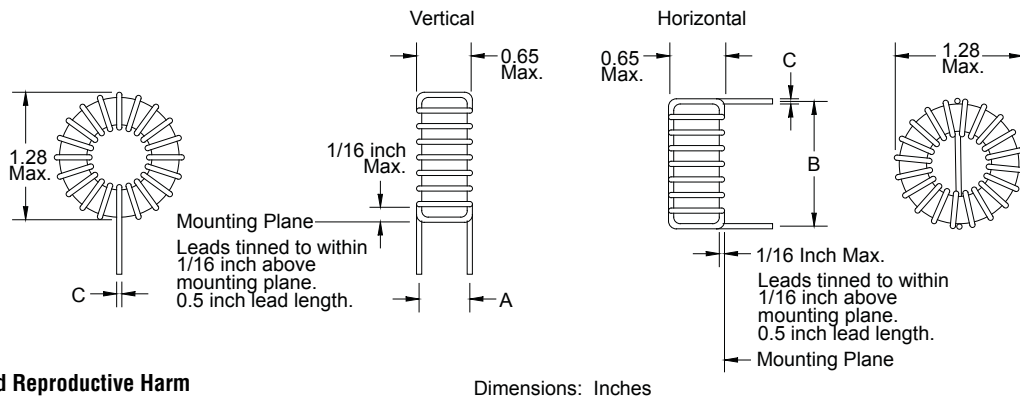
Notes

- * Rated I_{dc} causes a 50 °C temperature rise
 - ** Insert -H or -V for mounting style before -RC
- Example: 2300HT-100-H-RC

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

| 2300HT Series | | | | | | | |
|---------------|----------------|-----------------------|------------------|---------|------|------|-------|
| Part Number | L (µH) | I _{dc} * (A) | L (µH) | DCR (Ω) | Dim. | Dim. | Dim. |
| | ± 15 % @ 1 KHz | | ± 15 % @ I rated | | A | B | C |
| | | | | Max. | Nom. | Nom. | Nom. |
| 2300HT-1R2-RC | 1.2 | 38.7 | 1.0 | 0.002 | 0.56 | 1.18 | 0.066 |
| 2300HT-1R8-RC | 1.8 | 34.6 | 1.5 | 0.003 | 0.56 | 1.18 | 0.066 |
| 2300HT-2R7-RC | 2.7 | 31.6 | 2.2 | 0.003 | 0.56 | 1.18 | 0.066 |
| 2300HT-3R9-RC | 3.9 | 29.2 | 3.1 | 0.004 | 0.56 | 1.18 | 0.066 |
| 2300HT-4R7-RC | 4.7 | 27.3 | 3.7 | 0.004 | 0.56 | 1.18 | 0.066 |
| 2300HT-5R6-RC | 5.6 | 25.8 | 4.3 | 0.005 | 0.56 | 1.18 | 0.066 |
| 2300HT-6R8-RC | 6.8 | 24.5 | 5.1 | 0.005 | 0.56 | 1.18 | 0.066 |
| 2300HT-8R2-RC | 8.2 | 24.3 | 6.0 | 0.005 | 0.56 | 1.18 | 0.066 |
| 2300HT-100-RC | 10 | 23.3 | 7.2 | 0.006 | 0.56 | 1.18 | 0.066 |
| 2300HT-120-RC | 12 | 22.4 | 8.5 | 0.006 | 0.56 | 1.18 | 0.066 |
| 2300HT-150-RC | 15 | 20.8 | 10.3 | 0.007 | 0.56 | 1.18 | 0.066 |
| 2300HT-180-RC | 18 | 20.2 | 12.2 | 0.007 | 0.56 | 1.18 | 0.066 |
| 2300HT-220-RC | 22 | 19.0 | 14.5 | 0.008 | 0.56 | 1.18 | 0.066 |
| 2300HT-270-RC | 27 | 14.3 | 19.2 | 0.014 | 0.53 | 1.14 | 0.053 |
| 2300HT-330-RC | 33 | 13.6 | 23.0 | 0.015 | 0.53 | 1.14 | 0.053 |
| 2300HT-390-RC | 39 | 13.0 | 26.7 | 0.017 | 0.53 | 1.14 | 0.053 |
| 2300HT-470-RC | 47 | 10.0 | 34.7 | 0.028 | 0.52 | 1.13 | 0.042 |
| 2300HT-560-RC | 56 | 9.7 | 40.8 | 0.030 | 0.52 | 1.13 | 0.042 |
| 2300HT-680-RC | 68 | 9.2 | 48.5 | 0.034 | 0.52 | 1.13 | 0.042 |
| 2300HT-750-RC | 75 | 9.0 | 52.6 | 0.036 | 0.52 | 1.13 | 0.042 |
| 2300HT-820-RC | 82 | 8.8 | 57.4 | 0.037 | 0.52 | 1.13 | 0.042 |
| 2300HT-101-RC | 100 | 8.3 | 68.3 | 0.041 | 0.56 | 1.17 | 0.042 |
| 2300HT-121-RC | 120 | 8.0 | 80.5 | 0.045 | 0.56 | 1.17 | 0.042 |
| 2300HT-151-RC | 150 | 7.5 | 97.9 | 0.050 | 0.56 | 1.17 | 0.042 |
| 2300HT-181-RC | 180 | 7.2 | 114.5 | 0.055 | 0.56 | 1.17 | 0.042 |
| 2300HT-221-RC | 220 | 6.8 | 136.6 | 0.061 | 0.56 | 1.17 | 0.042 |
| 2300HT-271-RC | 270 | 6.5 | 163.2 | 0.067 | 0.56 | 1.17 | 0.042 |
| 2300HT-331-RC | 330 | 4.9 | 218.3 | 0.10 | 0.54 | 1.16 | 0.037 |
| 2300HT-391-RC | 390 | 4.7 | 252.8 | 0.13 | 0.54 | 1.16 | 0.037 |
| 2300HT-471-RC | 470 | 4.5 | 297.9 | 0.14 | 0.54 | 1.16 | 0.037 |
| 2300HT-561-RC | 560 | 3.4 | 389.1 | 0.24 | 0.53 | 1.14 | 0.027 |
| 2300HT-681-RC | 680 | 3.2 | 461.4 | 0.27 | 0.53 | 1.14 | 0.027 |
| 2300HT-821-RC | 820 | 3.1 | 545.2 | 0.30 | 0.53 | 1.14 | 0.027 |
| 2300HT-102-RC | 1000 | 2.9 | 648.2 | 0.33 | 0.58 | 1.17 | 0.027 |

“-RC” suffix indicates RoHS compliance.



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

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