

# 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<sub>dc</sub> causes a 50°C temperature rise
- Add H or V mounting style after P/N

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

Also available as RoHS compliant.

