

# 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

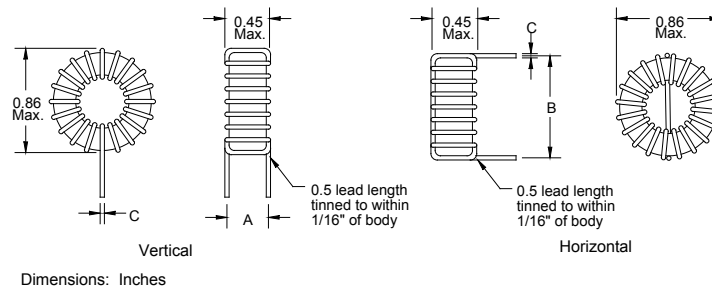
- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

## Notes

\* Rated Idc causes a 50°C temperature rise  
Add H or V mounting style after P/N

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

Also available as RoHS compliant.



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