

## Low Core Loss, High Current Toroid Inductors

### Special Features

- Low core loss
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Operating temperature: -55 to +125 °C

## Typical Applications

- Switch mode power supplies
- DC/DC converters
- Output chokes
- EMI filters

## Notes

\* Rated Idc causes a 30 °C temperature rise

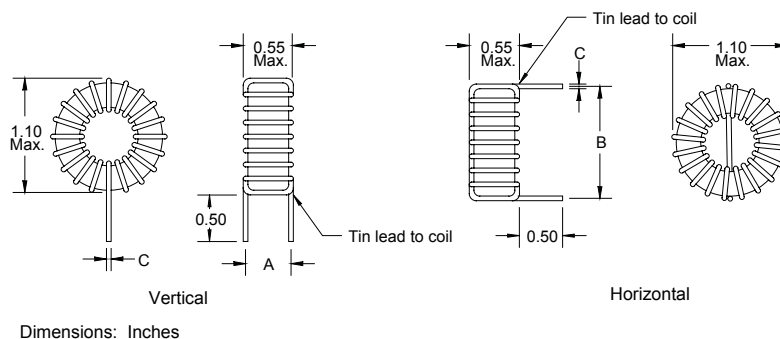
\*\* Insert -H or -V for mounting style before -RC

*Example: 2200LL-1R0-V-RC*

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

| 2200LL Series     |                             |             |                              |                    |                   |                   |                   |
|-------------------|-----------------------------|-------------|------------------------------|--------------------|-------------------|-------------------|-------------------|
| Part<br>Number ** | L (μH)<br>± 20 %<br>@ 1 KHz | Idc*<br>(A) | L (μH)<br>±20 %<br>@ I rated | DCR<br>(Ω)<br>Max. | Dim.<br>A<br>Nom. | Dim.<br>B<br>Nom. | Dim.<br>C<br>Nom. |
| 2200LL-1R0-RC     | 1.0                         | 26.1        | 0.8                          | 0.002              | 0.47              | 1.05              | 0.053             |
| 2200LL-1R8-RC     | 1.8                         | 22.6        | 1.4                          | 0.002              | 0.47              | 1.05              | 0.053             |
| 2200LL-2R7-RC     | 2.7                         | 20.3        | 1.9                          | 0.003              | 0.47              | 1.05              | 0.053             |
| 2200LL-3R9-RC     | 3.9                         | 18.5        | 2.7                          | 0.004              | 0.47              | 1.05              | 0.053             |
| 2200LL-4R7-RC     | 4.7                         | 17.1        | 3.1                          | 0.004              | 0.47              | 1.05              | 0.053             |
| 2200LL-6R8-RC     | 6.8                         | 16.0        | 4.4                          | 0.005              | 0.47              | 1.05              | 0.053             |
| 2200LL-8R2-RC     | 8.2                         | 15.1        | 5.1                          | 0.005              | 0.47              | 1.05              | 0.053             |
|                   | ± 15 %                      |             | ± 15 %                       |                    |                   |                   |                   |
| 2200LL-100-RC     | 10                          | 14.3        | 6.0                          | 0.006              | 0.47              | 1.05              | 0.053             |
| 2200LL-120-RC     | 12                          | 14.2        | 6.9                          | 0.006              | 0.47              | 1.05              | 0.053             |
| 2200LL-150-RC     | 15                          | 13.6        | 8.3                          | 0.007              | 0.47              | 1.05              | 0.053             |
| 2200LL-180-RC     | 18                          | 13.1        | 9.7                          | 0.007              | 0.47              | 1.05              | 0.053             |
| 2200LL-220-RC     | 22                          | 12.6        | 11.5                         | 0.008              | 0.47              | 1.05              | 0.053             |
| 2200LL-270-RC     | 27                          | 11.8        | 13.5                         | 0.009              | 0.47              | 1.05              | 0.053             |
| 2200LL-330-RC     | 33                          | 11.1        | 15.7                         | 0.010              | 0.47              | 1.05              | 0.053             |
| 2200LL-390-RC     | 39                          | 10.8        | 18.1                         | 0.011              | 0.47              | 1.05              | 0.053             |
| 2200LL-470-RC     | 47                          | 10.3        | 20.9                         | 0.012              | 0.47              | 1.05              | 0.053             |
| 2200LL-560-RC     | 56                          | 9.8         | 23.9                         | 0.013              | 0.47              | 1.05              | 0.053             |
| 2200LL-680-RC     | 68                          | 7.6         | 33.9                         | 0.022              | 0.45              | 1.03              | 0.042             |
| 2200LL-820-RC     | 82                          | 7.1         | 39.0                         | 0.024              | 0.45              | 1.03              | 0.042             |
| 2200LL-101-RC     | 100                         | 6.8         | 45.6                         | 0.027              | 0.45              | 1.03              | 0.042             |
| 2200LL-121-RC     | 120                         | 5.1         | 63.4                         | 0.047              | 0.43              | 1.01              | 0.034             |
| 2200LL-151-RC     | 150                         | 4.9         | 76.0                         | 0.052              | 0.43              | 1.01              | 0.034             |
| 2200LL-181-RC     | 180                         | 4.7         | 88.5                         | 0.057              | 0.43              | 1.01              | 0.034             |
| 2200LL-221-RC     | 220                         | 4.4         | 103.1                        | 0.063              | 0.43              | 1.01              | 0.034             |
| 2200LL-271-RC     | 270                         | 4.2         | 121.1                        | 0.070              | 0.43              | 1.01              | 0.034             |
| 2200LL-331-RC     | 330                         | 4.0         | 141.9                        | 0.077              | 0.43              | 1.01              | 0.034             |
| 2200LL-391-RC     | 390                         | 3.8         | 161.2                        | 0.084              | 0.43              | 1.01              | 0.034             |
| 2200LL-471-RC     | 470                         | 3.7         | 185.7                        | 0.092              | 0.43              | 1.01              | 0.034             |
| 2200LL-561-RC     | 560                         | 3.5         | 212.0                        | 0.101              | 0.43              | 1.01              | 0.034             |
| 2200LL-681-RC     | 680                         | 2.7         | 307.6                        | 0.176              | 0.47              | 0.99              | 0.027             |
| 2200LL-821-RC     | 820                         | 2.5         | 355.5                        | 0.194              | 0.47              | 0.99              | 0.027             |
| 2200LL-102-RC     | 1000                        | 2.4         | 412.5                        | 0.216              | 0.47              | 0.99              | 0.027             |

**"-RC" suffix indicates RoHS compliance.**

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