

## 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

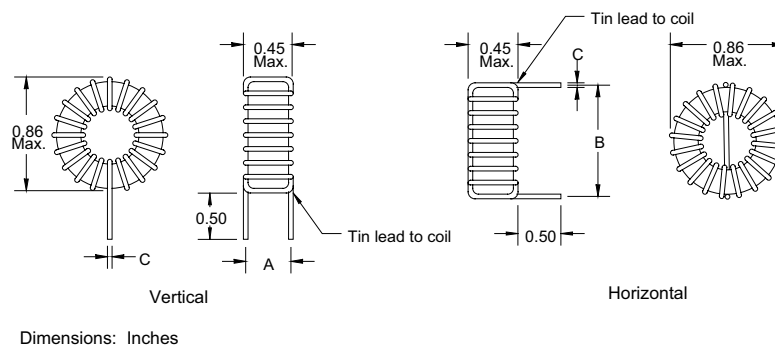
\*\* Insert -H or -V for mounting style before -RC

Example: 2100LL-100-H-RC

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

| 2100LL Series  |                             |             |                               |                    |                   |                   |                   |
|----------------|-----------------------------|-------------|-------------------------------|--------------------|-------------------|-------------------|-------------------|
| Part 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. |
| 2100LL-1R0-RC  | 1.0                         | 21.4        | 0.8                           | 0.002              | 0.37              | 0.80              | 0.053             |
| 2100LL-1R5-RC  | 1.5                         | 18.5        | 1.1                           | 0.003              | 0.37              | 0.80              | 0.053             |
| 2100LL-2R2-RC  | 2.2                         | 16.5        | 1.5                           | 0.003              | 0.37              | 0.80              | 0.053             |
| 2100LL-3R3-RC  | 3.3                         | 15.1        | 2.1                           | 0.003              | 0.37              | 0.80              | 0.053             |
| 2100LL-4R7-RC  | 4.7                         | 14.0        | 2.9                           | 0.003              | 0.37              | 0.80              | 0.053             |
| 2100LL-5R6-RC  | 5.6                         | 13.1        | 3.3                           | 0.004              | 0.37              | 0.80              | 0.053             |
| 2100LL-6R8-RC  | 6.8                         | 12.3        | 3.9                           | 0.004              | 0.37              | 0.80              | 0.053             |
| 2100LL-8R2-RC  | 8.2                         | 11.7        | 4.5                           | 0.005              | 0.37              | 0.80              | 0.053             |
| ± 15 %         |                             |             |                               |                    |                   |                   |                   |
| 2100LL-100-RC  | 10                          | 11.4        | 5.2                           | 0.005              | 0.37              | 0.80              | 0.053             |
| 2100LL-120-RC  | 12                          | 10.9        | 6.1                           | 0.006              | 0.37              | 0.80              | 0.053             |
| 2100LL-150-RC  | 15                          | 10.5        | 7.3                           | 0.006              | 0.37              | 0.80              | 0.053             |
| 2100LL-180-RC  | 18                          | 10.1        | 8.5                           | 0.007              | 0.37              | 0.80              | 0.053             |
| 2100LL-220-RC  | 22                          | 7.5         | 11.8                          | 0.012              | 0.35              | 0.78              | 0.042             |
| 2100LL-270-RC  | 27                          | 7.3         | 14.2                          | 0.012              | 0.35              | 0.78              | 0.042             |
| 2100LL-330-RC  | 33                          | 6.9         | 16.6                          | 0.014              | 0.35              | 0.78              | 0.042             |
| 2100LL-390-RC  | 39                          | 6.6         | 18.8                          | 0.015              | 0.35              | 0.78              | 0.042             |
| 2100LL-470-RC  | 47                          | 5.2         | 25.3                          | 0.024              | 0.33              | 0.76              | 0.034             |
| 2100LL-560-RC  | 56                          | 5.0         | 29.3                          | 0.026              | 0.33              | 0.76              | 0.034             |
| 2100LL-680-RC  | 68                          | 4.7         | 34.0                          | 0.030              | 0.40              | 0.76              | 0.034             |
| 2100LL-820-RC  | 82                          | 4.6         | 39.9                          | 0.032              | 0.40              | 0.76              | 0.034             |
| 2100LL-101-RC  | 100                         | 4.3         | 46.2                          | 0.036              | 0.40              | 0.76              | 0.034             |
| 2100LL-121-RC  | 120                         | 4.1         | 53.5                          | 0.039              | 0.40              | 0.76              | 0.034             |
| 2100LL-151-RC  | 150                         | 3.9         | 63.8                          | 0.043              | 0.40              | 0.76              | 0.034             |
| 2100LL-181-RC  | 180                         | 3.7         | 73.3                          | 0.048              | 0.40              | 0.76              | 0.034             |
| 2100LL-221-RC  | 220                         | 3.5         | 85.1                          | 0.053              | 0.40              | 0.76              | 0.034             |
| 2100LL-271-RC  | 270                         | 2.7         | 124.2                         | 0.093              | 0.37              | 0.74              | 0.027             |
| 2100LL-331-RC  | 330                         | 2.5         | 145.1                         | 0.103              | 0.37              | 0.74              | 0.027             |
| 2100LL-391-RC  | 390                         | 2.4         | 165.4                         | 0.112              | 0.37              | 0.74              | 0.027             |
| 2100LL-471-RC  | 470                         | 2.3         | 190.1                         | 0.124              | 0.38              | 0.76              | 0.027             |
| 2100LL-561-RC  | 560                         | 2.2         | 217.9                         | 0.134              | 0.38              | 0.76              | 0.027             |
| 2100LL-681-RC  | 680                         | 2.1         | 251.9                         | 0.147              | 0.38              | 0.76              | 0.027             |
| 2100LL-821-RC  | 820                         | 1.6         | 361.6                         | 0.257              | 0.37              | 0.75              | 0.022             |
| 2100LL-102-RC  | 1000                        | 1.5         | 421.5                         | 0.284              | 0.37              | 0.75              | 0.022             |

“-RC” suffix indicates RoHS compliance.



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