

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

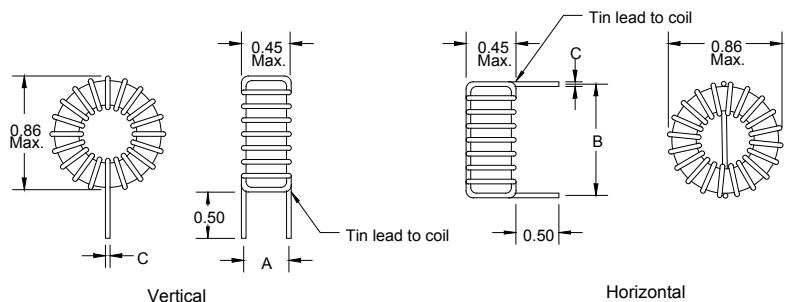
Notes

* 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) | Idc* (A) | L (μH) | DCR (Ω) | Dim. | Dim. | Dim. |
| | ± 20 % @ 1 KHz | | ± 20 % @ I rated | | A | B | C |
| | | | | Max. | Nom. | Nom. | 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 % | | ± 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.



Dimensions: Inches



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

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