

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

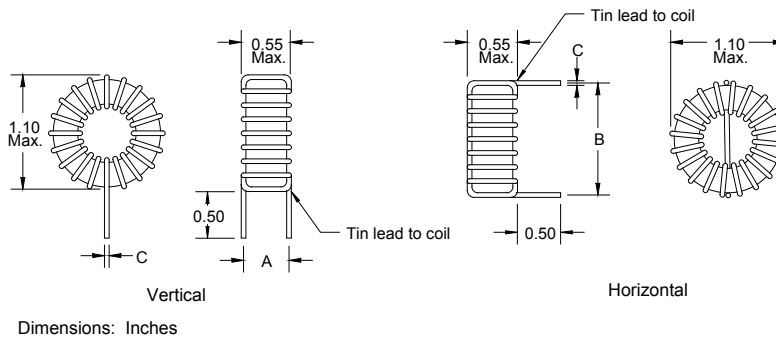
Notes

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



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

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