

Radial Lead RF Chokes

Special Features

- High current capacity
- Ferrite bobbin core
- Low core loss
- High reliability, high efficiency
- Fixed lead spacing
- Winding covered with shrink tubing
- Operating temperature -55 to +105 °C

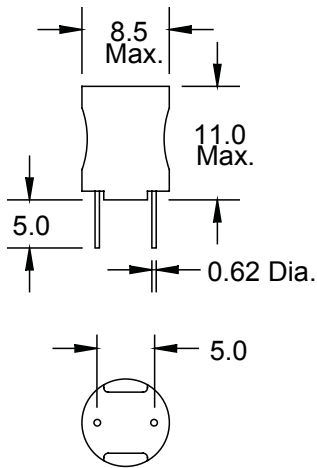
Typical Applications

- Switch mode power supplies
- DC/DC converters
- Desktop, notebook computers, servers
- Digital TVs, DVDs, cable modems, DSS set-top boxes
- Battery chargers
- Output chokes
- EMI filters

Note

* Rated current to cause 10 % max. inductance drop

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



Dimensions: mm

| RL622 | | | | | | | |
|---------------|--------------|----------|------------------|----------------|--------------|------------|-------------------|
| Part Number | L (μH) ±10 % | Q (Min.) | Test Freq. (MHz) | SRF (MHz) Min. | DCR (Ω) Max. | I, DC* (A) | Bourns Equivalent |
| RL622-1R0K-RC | 1.0 | 20 | 7.96 | 150 | 0.013 | 10 | |
| RL622-1R5K-RC | 1.5 | 20 | 7.96 | 130 | 0.016 | 8.5 | |
| RL622-2R2K-RC | 2.2 | 20 | 7.96 | 100 | 0.021 | 6.5 | |
| RL622-3R3K-RC | 3.3 | 20 | 7.96 | 79 | 0.025 | 5.5 | |
| RL622-4R7K-RC | 4.7 | 20 | 7.96 | 51 | 0.030 | 4.3 | |
| RL622-6R8K-RC | 6.8 | 20 | 7.96 | 29 | 0.035 | 3.7 | |
| RL622-100K-RC | 10 | 50 | 2.52 | 14 | 0.045 | 3.0 | |
| RL622-120K-RC | 12 | 50 | 2.52 | 13 | 0.050 | 2.7 | |
| RL622-150K-RC | 15 | 40 | 2.52 | 12 | 0.056 | 2.3 | |
| RL622-180K-RC | 18 | 40 | 2.52 | 11 | 0.061 | 2.2 | |
| RL622-220K-RC | 22 | 40 | 2.52 | 9.2 | 0.070 | 2.0 | |
| RL622-270K-RC | 27 | 30 | 2.52 | 8.5 | 0.080 | 1.7 | |
| RL622-330K-RC | 33 | 30 | 2.52 | 7.8 | 0.090 | 1.6 | |
| RL622-390K-RC | 39 | 30 | 2.52 | 6.9 | 0.10 | 1.5 | |
| RL622-470K-RC | 47 | 30 | 2.52 | 6.5 | 0.16 | 1.4 | |
| RL622-560K-RC | 58 | 30 | 2.52 | 5.4 | 0.18 | 1.3 | |
| RL622-680K-RC | 68 | 30 | 2.52 | 4.9 | 0.21 | 1.2 | |
| RL622-820K-RC | 82 | 30 | 2.52 | 4.1 | 0.23 | 1.1 | |
| RL622-101K-RC | 100 | 20 | 0.796 | 3.7 | 0.28 | 0.91 | |
| RL622-121K-RC | 120 | 20 | 0.796 | 3.4 | 0.32 | 0.84 | |
| RL622-151K-RC | 150 | 20 | 0.796 | 3.2 | 0.37 | 0.75 | |
| RL622-181K-RC | 180 | 20 | 0.796 | 2.8 | 0.58 | 0.69 | |
| RL622-221K-RC | 220 | 20 | 0.796 | 2.7 | 0.65 | 0.64 | |
| RL622-271K-RC | 270 | 20 | 0.796 | 2.4 | 0.75 | 0.57 | |
| RL622-331K-RC | 330 | 20 | 0.796 | 2.3 | 0.85 | 0.54 | |
| RL622-391K-RC | 390 | 20 | 0.796 | 2.1 | 1.0 | 0.48 | |
| RL622-471K-RC | 470 | 20 | 0.796 | 1.9 | 1.1 | 0.46 | |
| RL622-561K-RC | 560 | 20 | 0.796 | 1.8 | 1.4 | 0.41 | |
| RL622-681K-RC | 680 | 20 | 0.796 | 1.6 | 1.6 | 0.38 | |
| RL622-821K-RC | 820 | 20 | 0.796 | 1.5 | 1.8 | 0.35 | |
| RL622-102K-RC | 1000 | 50 | 0.252 | 1.3 | 2.9 | 0.29 | |
| RL622-122K-RC | 1200 | 50 | 0.252 | 1.1 | 4.0 | 0.13 | |
| RL622-152K-RC | 1500 | 20 | 0.252 | 1.0 | 6.1 | 0.08 | |
| RL622-182K-RC | 1800 | 20 | 0.252 | 1.0 | 6.4 | 0.08 | |
| RL622-222K-RC | 2200 | 20 | 0.252 | 0.9 | 6.8 | 0.08 | |
| RL622-272K-RC | 2700 | 20 | 0.252 | 0.9 | 7.7 | 0.08 | |
| RL622-332K-RC | 3300 | 20 | 0.252 | 0.7 | 9.0 | 0.08 | |
| RL622-392K-RC | 3900 | 20 | 0.252 | 0.6 | 14.0 | 0.08 | |
| RL622-472K-RC | 4700 | 20 | 0.252 | 0.5 | 16.0 | 0.05 | |
| RL622-562K-RC | 5600 | 20 | 0.252 | 0.4 | 18.0 | 0.05 | |
| RL622-682K-RC | 6800 | 20 | 0.252 | 0.4 | 19.0 | 0.05 | |
| RL622-822K-RC | 8200 | 20 | 0.252 | 0.3 | 21.0 | 0.05 | |
| RL622-103K-RC | 10,000 | 40 | 0.079 | 0.3 | 25.0 | 0.05 | |
| RL622-123K-RC | 12,000 | 40 | 0.079 | 0.3 | 33.0 | 0.04 | |
| RL622-153K-RC | 15,000 | 40 | 0.079 | 0.2 | 37.0 | 0.04 | |
| RL622-183K-RC | 18,000 | 30 | 0.079 | 0.2 | 40.0 | 0.04 | |
| RL622-223K-RC | 22,000 | 30 | 0.079 | 0.1 | 56.0 | 0.03 | |
| RL622-273K-RC | 27,000 | 30 | 0.079 | 0.1 | 62.0 | 0.03 | |
| RL622-333K-RC | 33,000 | 30 | 0.079 | 0.1 | 70.0 | 0.03 | |
| RL622-393K-RC | 39,000 | 30 | 0.079 | 0.1 | 80.0 | 0.03 | |
| RL622-473K-RC | 47,000 | 20 | 0.079 | 0.1 | 99.0 | 0.03 | |
| RL622-563K-RC | 56,000 | 20 | 0.079 | 0.1 | 135.0 | 0.02 | |
| RL622-683K-RC | 68,000 | 20 | 0.079 | 0.1 | 150.0 | 0.02 | |
| RL622-823K-RC | 82,000 | 20 | 0.079 | 0.1 | 212.0 | 0.02 | |
| RL622-104K-RC | 100,000 | 20 | 0.025 | 0.1 | 235.0 | 0.02 | |

RLB1014

“-RC” suffix indicates RoHS compliance.