

Radial Lead RF Chokes



Model 6000 is currently available, although not recommended for new designs. [Model RLB9012](#) is preferred.

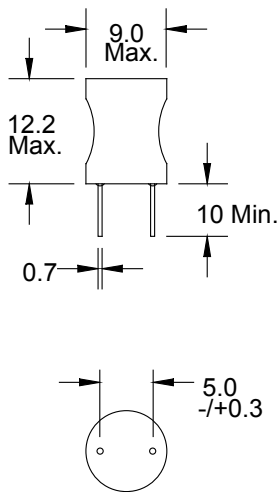
Special Features

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

Notes

* Current to cause 5 % max. inductance drop

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



Dimensions: mm



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

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| 6000 Series | | | | | | |
|--------------|------------------------------|-----------|--------------------------|----------------------|------------------|---------------|
| Part Number | L (μH) 1 kHz/1 V ±20 % | Q Min. | Q Test Freq. (MHz) | SRF (MHz) Min. | DCR Ω Max. | I, DC* (A) |
| 6000-1R0M-RC | 1.0 | 20 | 7.96 | 150 | 0.013 | 10 |
| 6000-1R5M-RC | 1.5 | 20 | 7.96 | 130 | 0.016 | 8.5 |
| 6000-2R2M-RC | 2.2 | 20 | 7.96 | 100 | 0.021 | 6.5 |
| 6000-3R3M-RC | 3.3 | 20 | 7.96 | 79 | 0.025 | 5.5 |
| 6000-4R7M-RC | 4.7 | 20 | 7.96 | 51 | 0.030 | 4.6 |
| 6000-6R8M-RC | 6.8 | 20 | 7.96 | 29 | 0.035 | 4.1 |
| ±10 % | | | | | | |
| 6000-100K-RC | 10 | 50 | 2.52 | 14 | 0.045 | 3.4 |
| 6000-120K-RC | 12 | 50 | 2.52 | 13 | 0.050 | 3.1 |
| 6000-150K-RC | 15 | 50 | 2.52 | 12 | 0.056 | 2.9 |
| 6000-180K-RC | 18 | 40 | 2.52 | 11 | 0.061 | 2.66 |
| 6000-220K-RC | 22 | 40 | 2.52 | 9.2 | 0.070 | 2.4 |
| 6000-270K-RC | 27 | 40 | 2.52 | 8.5 | 0.080 | 2.22 |
| 6000-330K-RC | 33 | 30 | 2.52 | 7.8 | 0.090 | 2.05 |
| 6000-390K-RC | 39 | 30 | 2.52 | 6.9 | 0.10 | 1.85 |
| 6000-470K-RC | 47 | 30 | 2.52 | 6.5 | 0.16 | 1.77 |
| 6000-560K-RC | 56 | 30 | 2.52 | 5.4 | 0.18 | 1.48 |
| 6000-680K-RC | 68 | 30 | 2.52 | 4.9 | 0.21 | 1.36 |
| 6000-820K-RC | 82 | 30 | 2.52 | 4.1 | 0.23 | 1.3 |
| 6000-101K-RC | 100 | 20 | 0.796 | 3.7 | 0.28 | 1.4 |
| 6000-121K-RC | 120 | 20 | 0.796 | 3.4 | 0.32 | 1.25 |
| 6000-151K-RC | 150 | 20 | 0.796 | 3.2 | 0.37 | 1.15 |
| 6000-181K-RC | 180 | 20 | 0.796 | 2.8 | 0.58 | 1.08 |
| 6000-221K-RC | 220 | 20 | 0.796 | 2.7 | 0.65 | 1.0 |
| 6000-271K-RC | 270 | 20 | 0.796 | 2.4 | 0.75 | 0.90 |
| 6000-331K-RC | 330 | 20 | 0.796 | 2.3 | 0.85 | 0.78 |
| 6000-391K-RC | 390 | 20 | 0.796 | 2.1 | 1.0 | 0.74 |
| 6000-471K-RC | 470 | 20 | 0.796 | 1.9 | 1.1 | 0.68 |
| 6000-561K-RC | 560 | 20 | 0.796 | 1.8 | 1.4 | 0.64 |
| 6000-681K-RC | 680 | 20 | 0.796 | 1.6 | 1.6 | 0.59 |
| 6000-821K-RC | 820 | 20 | 0.796 | 1.5 | 1.8 | 0.56 |
| 6000-102K-RC | 1000 | 20 | 0.252 | 1.3 | 2.9 | 0.51 |
| 6000-122K-RC | 1200 | 15 | 0.252 | 1.2 | 3.4 | 0.48 |
| 6000-152K-RC | 1500 | 15 | 0.252 | 1.1 | 3.8 | 0.43 |
| 6000-182K-RC | 1800 | 15 | 0.252 | 1.0 | 5.3 | 0.39 |
| 6000-222K-RC | 2200 | 15 | 0.252 | 0.8 | 5.9 | 0.36 |
| 6000-272K-RC | 2700 | 15 | 0.252 | 0.7 | 8.2 | 0.32 |
| 6000-332K-RC | 3300 | 15 | 0.252 | 0.6 | 9.1 | 0.29 |
| 6000-392K-RC | 3900 | 15 | 0.252 | 0.55 | 9.9 | 0.27 |
| 6000-472K-RC | 4700 | 15 | 0.252 | 0.5 | 13.6 | 0.24 |
| 6000-562K-RC | 5600 | 15 | 0.252 | 0.45 | 14.9 | 0.22 |
| 6000-682K-RC | 6800 | 15 | 0.252 | 0.4 | 20.7 | 0.20 |
| 6000-822K-RC | 8200 | 15 | 0.252 | 0.35 | 22.7 | 0.18 |
| 6000-103K-RC | 10,000 | 15 | 0.079 | 0.32 | 25.1 | 0.17 |
| 6000-123K-RC | 12,000 | 15 | 0.079 | 0.28 | 34.7 | 0.15 |
| 6000-153K-RC | 15,000 | 15 | 0.079 | 0.25 | 48.9 | 0.14 |
| 6000-183K-RC | 18,000 | 15 | 0.079 | 0.23 | 53.6 | 0.12 |
| 6000-223K-RC | 22,000 | 15 | 0.079 | 0.21 | 59.3 | 0.11 |
| 6000-273K-RC | 27,000 | 15 | 0.079 | 0.19 | 82.7 | 0.10 |
| 6000-333K-RC | 33,000 | 15 | 0.079 | 0.17 | 91.5 | 0.09 |
| 6000-393K-RC | 39,000 | 15 | 0.079 | 0.15 | 125.5 | 0.08 |
| 6000-473K-RC | 47,000 | 15 | 0.079 | 0.12 | 137.8 | 0.08 |

“-RC” suffix indicates RoHS compliance.

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