

## Radial Lead RF Chokes



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

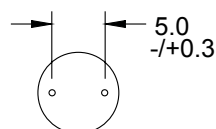
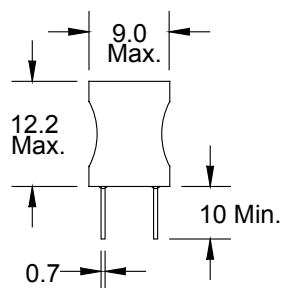
**Special Features**

- 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

| 6000 Series  |                 |           |                     |                      |                  |               |
|--------------|-----------------|-----------|---------------------|----------------------|------------------|---------------|
| Part Number  | L (μH)<br>±20 % | Q<br>Min. | Test Freq.<br>(MHz) | SRF<br>(MHz)<br>Min. | DCR<br>Ω<br>Max. | I, DC*<br>(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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