

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bourns Inc.](#)  
[6000-1R0M](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

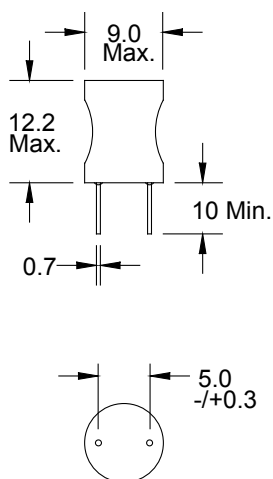
## Radial Lead RF Chokes

### 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



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

Also available as RoHS compliant.

**J.W. Miller**  
MAGNETICS