

# RB1010 Radial Bobbin Inductors



Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$

## Features

- Small Foot Print.
- Extensive Inductance Range
- UL Polyolefin Tubing

## Electrical

Inductance Range: 10uh ~ 18,000uh

## Physical

Packaging: 600 pieces per bag.

| Allied Part Number | Inductance (μh) | Tolerance (%) | DCR Max. (Ω) | SRF Min. (MHz) |      | I <sub>rms</sub> (A) |           |
|--------------------|-----------------|---------------|--------------|----------------|------|----------------------|-----------|
|                    |                 |               |              |                |      |                      | 40°C Rise |
| RB1010-100K-RC     | 10              | 10            | 0.023        | 23             | 6.10 | 4.20                 | 6.00      |
| RB1010-120K-RC     | 12              | 10            | 0.025        | 20             | 5.60 | 4.00                 | 5.70      |
| RB1010-150K-RC     | 15              | 10            | 0.028        | 19             | 5.00 | 3.75                 | 5.40      |
| RB1010-180K-RC     | 18              | 10            | 0.030        | 16             | 4.60 | 3.50                 | 5.00      |
| RB1010-220K-RC     | 22              | 10            | 0.042        | 15             | 4.10 | 3.30                 | 4.70      |
| RB1010-270K-RC     | 27              | 10            | 0.046        | 12             | 3.70 | 3.00                 | 4.40      |
| RB1010-330K-RC     | 33              | 10            | 0.055        | 11             | 3.40 | 2.80                 | 4.10      |
| RB1010-390K-RC     | 39              | 10            | 0.075        | 10.3           | 3.10 | 2.60                 | 3.80      |
| RB1010-470K-RC     | 47              | 10            | 0.082        | 9.5            | 2.80 | 2.40                 | 3.50      |
| RB1010-560K-RC     | 56              | 10            | 0.090        | 8.6            | 2.60 | 2.20                 | 3.20      |
| RB1010-680K-RC     | 68              | 10            | 0.120        | 7.5            | 2.30 | 2.00                 | 2.80      |
| RB1010-820K-RC     | 82              | 10            | 0.140        | 7.0            | 2.10 | 1.90                 | 2.50      |
| RB1010-101K-RC     | 100             | 10            | 0.150        | 7.0            | 1.90 | 1.70                 | 2.20      |
| RB1010-121K-RC     | 120             | 10            | 0.210        | 6.0            | 1.75 | 1.60                 | 2.10      |
| RB1010-151K-RC     | 150             | 10            | 0.245        | 5.0            | 1.60 | 1.50                 | 1.90      |
| RB1010-181K-RC     | 180             | 10            | 0.300        | 5.0            | 1.45 | 1.40                 | 1.80      |
| RB1010-221K-RC     | 220             | 10            | 0.360        | 4.3            | 1.30 | 1.30                 | 1.70      |
| RB1010-271K-RC     | 270             | 10            | 0.490        | 4.0            | 1.20 | 1.20                 | 1.60      |
| RB1010-331K-RC     | 330             | 10            | 0.540        | 3.5            | 1.10 | 1.00                 | 1.40      |
| RB1010-391K-RC     | 390             | 10            | 0.620        | 3.0            | 1.00 | 0.90                 | 1.30      |
| RB1010-471K-RC     | 470             | 10            | 0.810        | 3.0            | 0.90 | 0.80                 | 1.20      |
| RB1010-561K-RC     | 560             | 10            | 0.92         | 2.3            | 0.80 | 0.70                 | 1.05      |
| RB1010-681K-RC     | 680             | 10            | 1.20         | 2.0            | 0.75 | 0.60                 | 0.93      |
| RB1010-821K-RC     | 820             | 10            | 1.35         | 2.0            | 0.68 | 0.55                 | 0.80      |
| RB1010-102K-RC     | 1000            | 10            | 1.45         | 2.0            | 0.60 | 0.50                 | 0.67      |
| RB1010-122K-RC     | 1200            | 10            | 2.10         | 1.6            | 0.55 | 0.47                 | 0.63      |
| RB1010-152K-RC     | 1500            | 10            | 2.40         | 1.4            | 0.50 | 0.44                 | 0.59      |
| RB1010-182K-RC     | 1800            | 10            | 3.50         | 1.3            | 0.45 | 0.41                 | 0.55      |
| RB1010-222K-RC     | 2200            | 10            | 4.10         | 1.3            | 0.41 | 0.38                 | 0.50      |
| RB1010-272K-RC     | 2700            | 10            | 5.20         | 1.2            | 0.37 | 0.35                 | 0.47      |
| RB1010-332K-RC     | 3300            | 10            | 6.00         | 1.0            | 0.34 | 0.32                 | 0.43      |

All specifications subject to change without notice.