

# RADIAL CONFORMAL COATED INDUCTORS

ARCC SERIES

\* RoHS COMPLIANT



Size Varies

## STANDARD SPECIFICATIONS:

| Part Number<br>-0405,-0606,-0607,-0810,-0909 | L (H) | Q (MIN) | L Test (MHz) | SRF (MIN) (MHz) | DCR (MAX) | I <sub>dc</sub> (mA) (MAX) |
|--|-------|---------|--------------|-----------------|-----------|----------------------------|
| ARCC-XXX-100K                                | 10    | 20      | 2.52         | 17.0            | 0.19      | 780                        |
| ARCC-XXX-120K                                | 12    | 20      | 2.52         | 14.0            | 0.22      | 730                        |
| ARCC-XXX-150K                                | 15    | 20      | 2.52         | 12.0            | 0.24      | 650                        |
| ARCC-XXX-180K                                | 18    | 20      | 2.52         | 10.5            | 0.26      | 610                        |
| ARCC-XXX-220K                                | 22    | 20      | 2.52         | 10.0            | 0.29      | 540                        |
| ARCC-XXX-270K                                | 27    | 20      | 2.52         | 9.5             | 0.32      | 480                        |
| ARCC-XXX-330K                                | 33    | 20      | 2.52         | 8.5             | 0.34      | 440                        |
| ARCC-XXX-390K                                | 39    | 20      | 2.52         | 8.0             | 0.42      | 440                        |
| ARCC-XXX-470K                                | 47    | 20      | 2.52         | 7.0             | 0.47      | 375                        |
| ARCC-XXX-560K                                | 56    | 20      | 2.52         | 6.8             | 0.52      | 340                        |
| ARCC-XXX-680K                                | 68    | 15      | 2.52         | 6.5             | 0.58      | 320                        |
| ARCC-XXX-820K                                | 82    | 15      | 2.52         | 6.3             | 0.64      | 285                        |
| ARCC-XXX-101K                                | 100   | 25      | 0.796        | 6.0             | 0.85      | 260                        |
| ARCC-XXX-121K                                | 120   | 25      | 0.796        | 5.4             | 1.00      | 240                        |
| ARCC-XXX-151K                                | 150   | 25      | 0.796        | 4.75            | 1.20      | 215                        |
| ARCC-XXX-181K                                | 180   | 30      | 0.796        | 4.0             | 1.50      | 195                        |
| ARCC-XXX-221K                                | 220   | 30      | 0.796        | 3.85            | 1.65      | 180                        |
| ARCC-XXX-271K                                | 270   | 30      | 0.796        | 3.6             | 2.15      | 160                        |
| ARCC-XXX-331K                                | 330   | 35      | 0.796        | 3.3             | 2.90      | 145                        |
| ARCC-XXX-391K                                | 390   | 35      | 0.796        | 3.0             | 3.25      | 135                        |

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|--|-------|---------|--------------|-----------------|-----------|----------------------------|
| ARCC-XXX-471K                                | 470   | 35      | 0.796        | 2.8             | 4.05      | 125                        |
| ARCC-XXX-561K                                | 560   | 40      | 0.796        | 2.4             | 4.45      | 115                        |
| ARCC-XXX-681K                                | 680   | 40      | 0.796        | 2.2             | 5.85      | 105                        |
| ARCC-XXX-821K                                | 820   | 40      | 0.796        | 2.0             | 6.60      | 95                         |
| ARCC-XXX-120K                                | 1000  | 45      | 0.252        | 1.8             | 8.90      | 85                         |
| ARCC-XXX-122K                                | 1200  | 45      | 0.252        | 1.7             | 10.5      | 75                         |
| ARCC-XXX-152K                                | 1500  | 45      | 0.252        | 1.5             | 11.9      | 69                         |
| ARCC-XXX-182K                                | 1800  | 45      | 0.252        | 1.3             | 16.5      | 60                         |
| ARCC-XXX-222K                                | 2200  | 45      | 0.252        | 1.2             | 19.0      | 58                         |
| ARCC-XXX-272K                                | 2700  | 40      | 0.252        | 0.8             | 32.0      | 52                         |
| ARCC-XXX-332K                                | 3300  | 40      | 0.252        | 0.7             | 34.0      | 48                         |
| ARCC-XXX-392K                                | 3900  | 40      | 0.252        | 0.7             | 38.0      | 45                         |
| ARCC-XXX-472K                                | 4700  | 40      | 0.252        | 0.6             | 56.0      | 40                         |
| ARCC-XXX-562K                                | 5600  | 40      | 0.252        | 0.5             | 63.0      | 37                         |
| ARCC-XXX-682K                                | 6800  | 40      | 0.252        | 0.4             | 70.0      | 34                         |
| ARCC-XXX-822K                                | 8200  | 40      | 0.252        | 0.4             | 77.0      | 31                         |
| ARCC-XXX-103K                                | 10000 | 25      | 0.0796       | 0.3             | 95.0      | 28                         |
| ARCC-XXX-123K                                | 12000 | 25      | 0.0796       | 0.2             | 110       | 25                         |
| ARCC-XXX-153K                                | 15000 | 20      | 0.0796       | 0.1             | 160       | 21                         |

## TECHNICAL INFORMATION:

- Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
- Letter suffix indicates standard tolerance
- Current rating at which inductance (L) drops 10%
- Operating temperature -40 °C to 85°C
- Dimensions: inches / mm; see spec sheet for tolerance limits
- Specifications subject to change without notice

**Note:** All specifications subject to change without notice.

|           | A <sup>5</sup> | B <sup>5</sup> | C <sup>5</sup> |
|-----------|----------------|----------------|----------------|
| ARCC-0405 | 0.213 (5,4)    | 0.173 (4,4)    | 0.276 (7,0)    |
| ARCC-0606 | 0.252 (6,4)    | 0.236 (6,0)    | 0.394 (10,0)   |
| ARCC-0607 | 0.292 (7,4)    | 0.244 (6,2)    | 0.394 (10,0)   |
| ARCC-0810 | 0.394 (10,0)   | 0.315 (8,0)    | 0.394 (10,0)   |
| ARCC-0909 | 0.370 (9,4)    | 0.354 (9,0)    | 0.532 (13,5)   |

## PHYSICAL CHARACTERISTICS:

