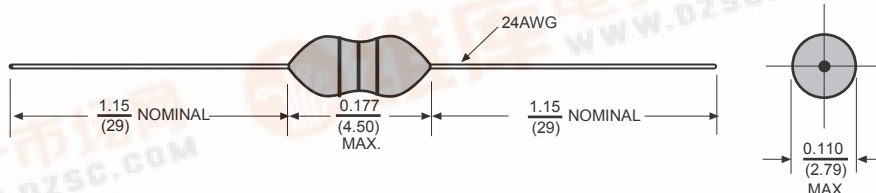


Dimensions:  $\frac{\text{Inches}}{(\text{mm})}$



| Allied Part Number | Inductance (μh) | Tolerance (%) | Q Min. | Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ω) | Rated Current (mA) |
|--------------------|-----------------|---------------|--------|------------------|----------------|--------------|--------------------|
| AC10-R10M-RC       | .10             | 20            | 40     | 25.2             | 250            | 0.12         | 700                |
| AC10-R12M-RC       | .12             | 20            | 40     | 25.2             | 230            | 0.14         | 600                |
| AC10-R15M-RC       | .15             | 20            | 40     | 25.2             | 210            | 0.16         | 550                |
| AC10-R18M-RC       | .18             | 20            | 40     | 25.2             | 190            | 0.18         | 500                |
| AC10-R22M-RC       | .22             | 20            | 40     | 25.2             | 175            | 0.20         | 450                |
| AC10-R27M-RC       | .27             | 20            | 40     | 25.2             | 160            | 0.22         | 700                |
| AC10-R33M-RC       | .33             | 20            | 40     | 25.2             | 150            | 0.24         | 650                |
| AC10-R39M-RC       | .39             | 20            | 50     | 25.2             | 150            | 0.27         | 600                |
| AC10-R47M-RC       | .47             | 20            | 50     | 25.2             | 150            | 0.30         | 540                |
| AC10-R56M-RC       | .56             | 20            | 50     | 25.2             | 150            | 0.34         | 475                |
| AC10-R68M-RC       | .68             | 20            | 50     | 25.2             | 120            | 0.38         | 425                |
| AC10-R82M-RC       | .82             | 20            | 40     | 25.2             | 120            | 0.43         | 400                |
| AC10-1R0M-RC       | 1.0             | 20            | 40     | 25.2             | 120            | 0.46         | 300                |
| AC10-1R2M-RC       | 1.2             | 20            | 30     | 7.96             | 100            | 0.52         | 175                |
| AC10-1R5M-RC       | 1.5             | 20            | 30     | 7.96             | 80             | 0.57         | 160                |
| AC10-1R8M-RC       | 1.8             | 20            | 30     | 7.96             | 66             | 0.60         | 160                |
| AC10-2R2M-RC       | 2.2             | 20            | 30     | 7.96             | 60             | 0.65         | 145                |
| AC10-2R7M-RC       | 2.7             | 20            | 30     | 7.96             | 54             | 0.73         | 145                |
| AC10-3R3K-RC       | 3.3             | 10            | 40     | 7.96             | 36             | 0.82         | 145                |
| AC10-3R9K-RC       | 3.9             | 10            | 40     | 7.96             | 32             | 0.90         | 100                |
| AC10-4R7K-RC       | 4.7             | 10            | 40     | 7.96             | 30             | 1.00         | 95                 |
| AC10-5R6K-RC       | 5.6             | 10            | 40     | 7.96             | 28             | 1.10         | 90                 |
| AC10-6R8K-RC       | 6.8             | 10            | 40     | 7.96             | 27             | 1.20         | 80                 |
| AC10-8R2K-RC       | 8.2             | 10            | 40     | 7.96             | 26             | 1.30         | 75                 |
| AC10-100K-RC       | 10              | 10            | 40     | 7.96             | 24             | 1.40         | 70                 |
| AC10-120K-RC       | 12              | 10            | 40     | 2.52             | 22             | 1.50         | 65                 |
| AC10-150K-RC       | 15              | 10            | 40     | 2.52             | 19             | 2.30         | 100                |
| AC10-180K-RC       | 18              | 10            | 50     | 2.52             | 18             | 2.40         | 100                |
| AC10-220K-RC       | 22              | 10            | 50     | 2.52             | 17             | 2.90         | 80                 |
| AC10-270K-RC       | 27              | 10            | 50     | 2.52             | 15             | 3.00         | 80                 |
| AC10-330K-RC       | 33              | 10            | 50     | 2.52             | 14             | 4.80         | 50                 |
| AC10-390K-RC       | 39              | 10            | 50     | 2.52             | 12             | 5.30         | 45                 |
| AC10-470K-RC       | 47              | 10            | 50     | 2.52             | 11             | 5.80         | 60                 |
| AC10-560K-RC       | 56              | 10            | 50     | 2.52             | 10             | 7.40         | 47                 |
| AC10-680K-RC       | 68              | 10            | 50     | 2.52             | 9.5            | 8.25         | 42                 |
| AC10-820K-RC       | 82              | 10            | 50     | 2.52             | 9.0            | 9.50         | 36                 |
| AC10-101K-RC       | 100             | 10            | 50     | 2.52             | 7.0            | 14.50        | 24                 |
| AC10-121K-RC       | 120             | 10            | 50     | .796             | 6.5            | 16.00        | 35                 |
| AC10-151K-RC       | 150             | 10            | 30     | .796             | 5.5            | 18.50        | 30                 |
| AC10-181K-RC       | 180             | 10            | 30     | .796             | 5.2            | 20.00        | 28                 |
| AC10-221K-RC       | 220             | 10            | 30     | .796             | 4.7            | 22.00        | 25                 |
| AC10-271K-RC       | 270             | 10            | 30     | .796             | 3.5            | 29.00        | 28                 |
| AC10-331K-RC       | 330             | 10            | 30     | .796             | 3.0            | 30.00        | 26                 |
| AC10-391K-RC       | 390             | 10            | 30     | .796             | 2.7            | 32.00        | 25                 |
| AC10-471K-RC       | 470             | 10            | 30     | .796             | 2.6            | 35.00        | 24                 |
| AC10-561K-RC       | 560             | 10            | 30     | .796             | 2.5            | 40.00        | 23                 |
| AC10-681K-RC       | 680             | 10            | 30     | .796             | 2.2            | 42.00        | 22                 |
| AC10-821K-RC       | 820             | 10            | 30     | .796             | 2.1            | 46.00        | 21                 |
| AC10-102K-RC       | 1000            | 10            | 30     | .796             | 2.0            | 52.00        | 20                 |

All specifications subject to change without notice.

### Features

- Axial leaded type, small light weight design.
- Special magnetic core structure contributes to high Q and self resonant frequencies.
- Treated with epoxy resin coating for humidity resistance to ensure longer life.
- Heat resistant adhesives and special structural design for effective open circuit measurement.

### Electrical

**Inductance Range:** .027μh to 1000μh.

**Tolerance:** .027μh to 2.7μh at 20%, and from 3.3μh to 1000μh at 10%. All values available in tighter tolerances.

**Temp. Rise:** 20°C.

**Ambient Temp.:** 80°C.

**Rated Temp Range:** -20 to 100°C.

**Dielectric Withstanding Voltage:** 250 Volts R.M.S.

**Rated Current:** Based on temp rise.

### Mechanical

**Terminal Tensile Strength:** 1.0 kg min.

**Terminal Bending Strength:** .3 kg min.

### Physical

**Marking (on reel):** Manufacturers name, Part number, Quantity,

**Marking:** 3 band color code.

**Packaging:** 5000 pieces per reel.