

CBR-SMD RF COG, Ceramic, High Q, 0.5 pF, +/-0.1 pF, 50 VDC, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0603



| Dimensions |                 |
|------------|-----------------|
| L          | 1.6mm +/-0.1mm  |
| W          | 0.8mm +/-0.1mm  |
| T          | 0.8mm +/-0.07mm |
| B          | 0.4mm +/-0.15mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 4000                     |

| General Information |  |
|---------------------|--|
| Supplier:           | KEMET  |
| Series:             | CBR-SMD RF COG                                 |
| Style:              | SMD Chip                                       |
| Description:        | SMD, Fixed, RF, Ultra High Q, Low ESR, Class I |
| Features:           | Ultra High Q, Low ESR, Class I                 |
| RoHS:               | Yes  |
| Termination:        | Tin  |
| Marking:            | No   |
| Miscellaneous:      | Minimum Q = 810                                |
| Notes:              | Solder Wave or Solder Reflow                   |
| Chip Size:          | 0603   |

| Specifications                   |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 0.5 pF              |
| Capacitance Tolerance:           | +/-0.1 pF           |
| Voltage DC:                      | 50 VDC              |
| Dielectric Withstanding Voltage: | 125 V               |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | COG                 |
| Dissipation Factor:              | 0.24%               |
| Aging Rate:                      | 0% Loss/Decade Hour |
| Insulation Resistance:           | 10 GOhms            |
| Quality Factor:                  | 810                 |