



Click [here](#) for the 3D model.

### Dimensions

|           |                     |
|-----------|---------------------|
| Chip Size | 0402                |
| L         | 1mm +/-0.05mm       |
| W         | 0.5mm +/-0.05mm     |
| T         | 0.5mm +/-0.05mm     |
| B         | 0.25mm +0.05/-0.1mm |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 10000                    |

### General Information

|                          |  |
|--------------------------|--|
| 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   |
| AEC-Q200                 | No   |
| Typical Component Weight | 1.37 mg  |
| Notes                    | Solder Reflow Only.                            |
| Shelf Life               | 78 Weeks                                       |
| MSL                      | 1  |

### Specifications

|                                 |                     |
|---------------------------------|---------------------|
| Capacitance                     | 8.2 pF              |
| Capacitance Tolerance           | +/-0.1 pF           |
| Voltage DC                      | 50 VDC              |
| Dielectric Withstanding Voltage | 125 VDC             |
| Temperature Range               | -55/+125°C          |
| Temperature Coefficient         | COG                 |
| Dissipation Factor              | 0.177%              |
| Aging Rate                      | 0% Loss/Decade Hour |
| Insulation Resistance           | 10 GOhms            |
| Quality Factor                  | 564                 |