



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

#### 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 | 5.29 mg                                        |
| Notes                    | Solder Wave or Solder Reflow.                  |
| Shelf Life               | 78 Weeks                                       |
| MSL                      | 1                                              |

#### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 1.6mm +/-0.1mm  |
| W                    | 0.8mm +/-0.1mm  |
| T                    | 0.8mm +/-0.07mm |
| B                    | 0.4mm +/-0.15mm |
| Case Code (EIA / mm) | 0603 / 1608     |

#### Packaging Specifications

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

#### Specifications

|                                 |                     |
|---------------------------------|---------------------|
| Capacitance                     | 8.1 pF              |
| Tolerance                       | +/-0.1 pF           |
| Voltage DC                      | 100 VDC             |
| Dielectric Withstanding Voltage | 250 VDC             |
| Temperature Range               | -55/+125°C          |
| Temp. Coefficient               | COG                 |
| Dissipation Factor              | 0.178%              |
| Aging Rate                      | 0% Loss/Decade Hour |
| Insulation Resistance           | 10 GOhms            |
| Quality Factor                  | 562                 |

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