

## CBR08C689C1GAC

CBR-SMD RF COG, Ceramic, 6.8 pF, +/-0.25 pF, 100 VDC, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0805



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 | 12.03 mg                                       |
| Notes                    | Solder Wave or Solder Reflow.                  |
| Shelf Life               | 78 Weeks                                       |
| MSL                      | 1  |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0805            |
| L         | 2mm +/-0.2mm    |
| W         | 1.25mm +/-0.2mm |
| T         | 0.85mm +/-0.1mm |
| B         | 0.5mm +/-0.2mm  |

### Packaging Specifications

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

### Specifications

|                                 |                     |
|---------------------------------|---------------------|
| Capacitance                     | 6.8 pF              |
| Tolerance                       | +/-0.25 pF          |
| Voltage DC                      | 100 VDC             |
| Dielectric Withstanding Voltage | 250 VDC             |
| Temperature Range               | -55/+125°C          |
| Temp. Coefficient               | COG                 |
| Dissipation Factor              | 0.187%              |
| Aging Rate                      | 0% Loss/Decade Hour |
| Insulation Resistance           | 10 GOhms            |
| Quality Factor                  | 536                 |

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