

## CBR04C689B5GAC

CBR-SMD RF COG, Ceramic, 6.8 pF, +/-0.1 pF, 50 VDC, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0402



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   |
| Component Weight    | 1.4 mg   |
| Notes               | Solder Reflow Only.                            |
| Shelf Life          | 78 Weeks                                       |
| MSL                 | 1  |

| Specifications                  |                     |
|---------------------------------|---------------------|
| Capacitance                     | 6.8 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              | 0.187%              |
| Aging Rate                      | 0% Loss/Decade Hour |
| Insulation Resistance           | 10 GOhms            |
| Quality Factor                  | 536                 |

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