

## CBR02C509B5GAC

CBR-SMD RF COG, Ceramic, 5 pF, +/-0.1 pF, 50 VDC, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0201



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

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0201             |
| L          | 0.6mm +/-0.03mm  |
| W          | 0.3mm +/-0.03mm  |
| T          | 0.3mm +/-0.03mm  |
| B          | 0.15mm +/-0.05mm |

  

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 15000                    |

| 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    | 0.3 mg   |
| Notes               | Solder Reflow Only.                            |
| Shelf Life          | 78 Weeks                                       |
| MSL                 | 1  |

| Specifications                  |                     |
|---------------------------------|---------------------|
| Capacitance                     | 5 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              | 0.2%                |
| Aging Rate                      | 0% Loss/Decade Hour |
| Insulation Resistance           | 10 GOhms            |
| Quality Factor                  | 500                 |

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