

## CBR02C508C3GAC

CBR-SMD RF COG, Ceramic, 0.5 pF, +/-0.25 pF, 25 VDC, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0201 / 0603



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

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 0.6mm +/-0.03mm  |
| W                    | 0.3mm +/-0.03mm  |
| T                    | 0.3mm +/-0.03mm  |
| B                    | 0.15mm +/-0.05mm |
| Case Code (EIA / mm) | 0201 / 0603      |

### Packaging Specifications

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

### Specifications

|                                 |                     |
|---------------------------------|---------------------|
| Capacitance                     | 0.5 pF              |
| Tolerance                       | +/-0.25 pF          |
| Voltage DC                      | 25 VDC              |
| Dielectric Withstanding Voltage | 62.5 VDC            |
| Temperature Range               | -55/+125°C          |
| Temp. Coefficient               | COG                 |
| Dissipation Factor              | 0.244%              |
| Aging Rate                      | 0% Loss/Decade Hour |
| Insulation Resistance           | 10 GOhms            |
| Quality Factor                  | 410                 |

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