

## CBR04C159B5GACAUTO

CBR-SMD RF Auto COG, Ceramic, 1.5 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 |
| Т          | 0.5mm +/-0.05mm |
| В          | 0.25mm +/-0.1mm |

| Packaging Specifications | ,                        |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 10000                    |

| General Information | n ,  |
|---------------------|--|
| Series              | CBR-SMD RF Auto 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   |
| Qualifications      | AEC-Q200                                       |
| AEC-Q200            | Yes  |
| Halogen Free        | Yes  |
| Notes               | Solder Wave or Solder Reflow.                  |
| Shelf Life          | 78 Weeks                                       |
| MSL                 | 1  |

| Specifications   |                           |
|--|---------------------------|
| Capacitance  | 1.5 pF                    |
| Capacitance Tolerance  | +/-0.1 pF                 |
| Voltage DC   | 50 VDC                    |
| Dielectric Withstanding Voltage                                    | 125 VDC                   |
| Temperature Range  | -55/+125°C                |
| Temperature Coefficient  | COG                       |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz<br>1.0Vrms |
| Dissipation Factor   | 0.23%1MHz<br>1.0Vrms      |
| Aging Rate   | 0% Loss/Decade<br>Hour    |
| Insulation Resistance  | 10 GOhms                  |
| Quality Factor   | 430                       |

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