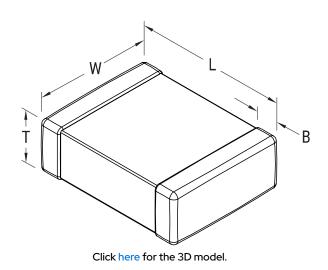




CBR-SMD RF COG, Ceramic, 0.5 pF, +/-0.1 pF, 50 VDC, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0402



| General Information      |   |
|--------------------------|---|
| Series                   | CBR-SMD RF COG                                    |
| Style                    | SMD Chip  |
| Description              | SMD, Fixed, RF, Ultra High Q,<br>Low ESR, Class I |
| Features                 | Ultra High Q, Low ESR, Class I                    |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 1.37 mg   |
| Notes                    | Solder Reflow Only.                               |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

| Dimensions |                     |
|------------|---------------------|
| Chip Size  | 0402                |
| L          | 1mm +/-0.05mm       |
| W          | 0.5mm +/-0.05mm     |
| T          | 0.5mm +/-0.05mm     |
| В          | 0.25mm +0.05/-0.1mm |
|            |                     |

| В                        | 0.25mm +0.05/ -0.1mm     |
|--------------------------|--------------------------|
| Packaging Specifications |                          |
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 10000                    |

| Specifications                  |                     |
|---------------------------------|---------------------|
| Capacitance                     | 0.5 pF              |
| Tolerance                       | +/-0.1 pF           |
| Voltage DC                      | 50 VDC              |
| Dielectric Withstanding Voltage | 125 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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