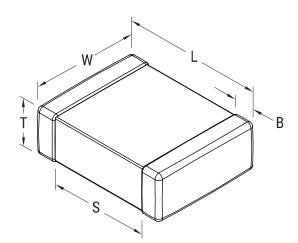


## C0402C202G4GACTU

Aliases (C0402C202G4GAC7867) SMD Comm C0G, Ceramic, 2,000 pF, 2%, 16 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0402, 0.3 mm



| General Information      |   |
|--------------------------|---|
| Series                   | SMD Comm COG                                  |
| Style                    | SMD Chip                                      |
| Description              | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I |
| Features                 | Ultra-Stable, Low Loss, Class I               |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 1.06 mg                                       |
| Shelf Life               | 78 Weeks                                      |
| MSL                      | 1   |

| Specifications   |                        |
|--|------------------------|
| Capacitance  | 2,000 pF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 2%                     |
| Voltage DC   | 16 VDC                 |
| Dielectric Withstanding Voltage  | 40 VDC                 |
| Temperature Range  | -55/+125°C             |
| Temp. Coefficient  | COG                    |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOhms              |

Click here for the 3D model.

| Dimensions |                              |
|------------|------------------------------|
| Chip Size  | 0402                         |
| L          | 1mm +/-0.05mm                |
| W          | 0.5mm +/-0.05mm              |
| т          | 0.5mm +/-0.05mm              |
| S          | 0.3mm MIN                    |
| В          | 0.3mm +/-0.1mm               |
| T<br>S     | 0.5mm +/-0.05mm<br>0.3mm MIN |

## Packaging Specifications

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

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