

## C0402C301J1GACTU

## Aliases (C0402C301J1GAC7867)

SMD Comm COG, Ceramic, 300 pF, 5%, 100 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0402



Click here for the 3D model.

| 0402            |
|-----------------|
| 1mm +/-0.05mm   |
| 0.5mm +/-0.05mm |
| 0.5mm +/-0.05mm |
| 0.3mm MIN       |
| 0.3mm +/-0.1mm  |
|                 |

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

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

| Specifications  |                              |
|---|------------------------------|
| Capacitance   | 300 pF                       |
| Measurement Condition   | 1 MHz 1.0Vrms                |
| Capacitance Tolerance   | 5%                           |
| Voltage DC  | 100 VDC                      |
| Dielectric Withstanding Voltage                                       | 250 VDC                      |
| Temperature Range   | -55/+125°C                   |
| Temperature Coefficient   | COG                          |
| Capacitance Change with Reference to<br>+25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz<br>1.0Vrms |
| Dissipation Factor  | 0.1% 1 MHz 1.0Vrms           |
| Aging Rate  | 0% Loss/Decade<br>Hour       |
| Insulation Resistance   | 100 GOhms                    |

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