

## C0805C301GBGACTU

Aliases (C0805C301GBGAC7800)

SMD Comm COG HV, Ceramic, 300 pF, 2%, 630 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0805



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.2mm     |
| W          | 1.25mm +/-0.2mm  |
| Т          | 1.25mm +/-0.15mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging                | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity       | 2500                     |  |

| General Information |  |
|---------------------|--|
| Series              | SMD Comm COG HV                            |
| 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    | 14 mg                                      |
| Shelf Life          | 78 Weeks                                   |
| MSL                 | 1  |

| Specifications   |                              |
|--|------------------------------|
| Capacitance  | 300 pF                       |
| Measurement Condition  | 1 MHz 1.0Vrms                |
| Capacitance Tolerance  | 2%                           |
| Voltage DC   | 630 VDC                      |
| Dielectric Withstanding Voltage                                    | 945 VDC                      |
| Temperature Range  | -55/+125°C                   |
| Temperature Coefficient  | COG                          |
| Capacitance Change with Reference to +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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