

## C0603C270FAGACTU

Aliases (C0603C270FAGAC7867)

SMD Comm COG, Ceramic, 27 pF, 1%, 250 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.07mm  |
| S          | 0.7mm MIN        |
| В          | 0.35mm +/-0.15mm |

| Packaging Specifications |                        |  |
|--------------------------|------------------------|--|
| Packaging                | T&R, 180mm, Paper Tape |  |
| Packaging Quantity       | 4000                   |  |

| 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    | 3.7 mg                                     |
| Shelf Life          | 78 Weeks                                   |
| MSL                 | 1  |

| Specifications   |                              |
|--|------------------------------|
| Capacitance  | 27 pF                        |
| Measurement Condition  | 1 MHz 1.0Vrms                |
| Capacitance Tolerance  | 1%                           |
| Voltage DC   | 250 VDC                      |
| Dielectric Withstanding Voltage                                    | 625 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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