

## C0603T222J1GCLTU

Aliases (C0603T222J1GCL7867)

SMD COTS COG, Ceramic, 2200 pF, 5%, 100 VDC, COG, SMD, MLCC, COTS, 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                |  |

Packaging Quantity

T&R, 180mm, Paper Tape 4000

| General Information |   |  |
|---------------------|---|--|
| Series              | SMD COTS COG  |  |
| Style               | SMD Chip  |  |
| Description         | SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I  |  |
| Features            | Ultra-Stable, Low Loss, Class I   |  |
| RoHS                | No  |  |
| Prop 65             | A WARNING: Cancer and reproductive harm -<br>http://www.p65warnings.ca.gov.                                 |  |
| SCIP Number         | 2d771165-5336-48a3-96fa-3663929fd828  |  |
| Termination         | Lead (SnPb)   |  |
| Marking             | No  |  |
| Failure Rate        | Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-<br>469, Humidity per MIL-STD-202, Method 103,<br>Condition A |  |
| AEC-Q200            | No  |  |
| Component<br>Weight | 3.7 mg  |  |
| Shelf Life          | 78 Weeks  |  |
| MSL                 | 1   |  |

| Specifications  |                           |
|---|---------------------------|
| Capacitance   | 2200 pF                   |
| Measurement Condition   | 1 kHz 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 +25°C<br>and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz<br>1.0Vrms |
| Dissipation Factor  | 0.1% 1 kHz 1.0Vrms        |
| Aging Rate  | 0% Loss/Decade<br>Hour    |
| Insulation Resistance   | 100 GOhms                 |

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