

## C0805T103G3GCLTU

## Aliases (C0805T103G3GCL7800)

SMD COTS COG, Ceramic, 0.01 uF, 2%, 25 VDC, COG, SMD, MLCC, COTS, 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          | 0.78mm +/-0.10mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-0.25mm  |

## **Packaging Specifications**

Packaging Packaging Quantity

T&R, 180mm, Paper Tape 4000

| General Informat    | ion   |
|---------------------|---|
| 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.                                 |
| 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 | 11 mg   |
| Shelf Life          | 78 Weeks  |
| MSL                 | 1   |

| Specifications  |                           |  |  |
|---|---------------------------|--|--|
| Capacitance   | 0.01 uF                   |  |  |
| Measurement Condition   | 1 kHz 1.0Vrms             |  |  |
| Capacitance Tolerance   | 2%                        |  |  |
| Voltage DC  | 25 VDC                    |  |  |
| Dielectric Withstanding Voltage                                       | 62.5 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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