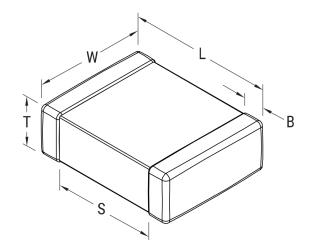


## C0805T101J5GCLTU

## Aliases (C0805T101J5GCL7800)

SMD COTS COG, Ceramic, 100 pF, 5%, 50 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 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 | 11 mg   |  |
| Shelf Life          | 78 Weeks  |  |
| MSL                 | 1   |  |
|                     |   |  |

| Specifications  |                              |
|---|------------------------------|
| Capacitance   | 100 pF                       |
| Measurement Condition   | 1 MHz 1.0Vrms                |
| Capacitance Tolerance   | 5%                           |
| Voltage DC  | 50 VDC                       |
| Dielectric Withstanding Voltage                                       | 125 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                    |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.