

## C1210T222K2GCLTU

Aliases (C1210T222K2GCL7800)

SMD COTS COG, Ceramic, 2200 pF, 10%, 200 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 1210



Click here for the 3D model.

| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 1210             |  |
| L          | 3.2mm +/-0.2mm   |  |
| W          | 2.5mm +/-0.2mm   |  |
| Т          | 1.25mm +/-0.15mm |  |
| В          | 0.5mm +/-0.25mm  |  |

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

| 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             | ▲ WARNING: Cancer and reproductive harm - 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-469, Humidity per MIL-STD-202, Method 103, Condition A |  |
| AEC-Q200            | No   |  |
| Component<br>Weight | 40 mg  |  |
| Shelf Life          | 78 Weeks   |  |
| MSL                 | 1  |  |

| Specifications   |                           |
|--|---------------------------|
| Capacitance  | 2200 pF                   |
| Measurement Condition  | 1 kHz 1.0Vrms             |
| Capacitance Tolerance  | 10%                       |
| Voltage DC   | 200 VDC                   |
| Dielectric Withstanding Voltage                                    | 500 VDC                   |
| Temperature Range  | -55/+125°C                |
| Temperature Coefficient  | COG                       |
| Capacitance Change with Reference to +25°C 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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