

## C1210C302J5GACTU

Aliases (C1210C302J5GAC7800)

SMD Comm COG, Ceramic, 3,000 pF, 5%, 50 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1210, 1.5 mm



Click [here](#) for the 3D model.

### 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   |
| Typical Component Weight | 30 mg                                      |
| Shelf Life               | 78 Weeks                                   |
| MSL                      | 1  |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 3,000 pF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 5%                     |
| Voltage DC   | 50 VDC                 |
| Dielectric Withstanding Voltage                                    | 125 VDC                |
| Temperature Range  | -55/+125°C             |
| Temp. Coefficient  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOhms              |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 1210             |
| L         | 3.2mm +/-0.2mm   |
| W         | 2.5mm +/-0.2mm   |
| T         | 0.78mm +/-0.10mm |
| S         | 1.5mm MIN        |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

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

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