

## C1210C154F3GALTU

Aliases (C1210C154F3GAL7800)

SMD Comm COG SnPb, Ceramic, 0.15 uF, 1%, 25 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 SnPb                                                                                                            |
| Style                    | SMD Chip                                                                                                                     |
| Description              | SMD, MLCC, Ultra-Stable, Low Loss, Class I                                                                                   |
| Features                 | Ultra-Stable, Low Loss, Class I                                                                                              |
| RoHS                     | No                                                                                                                           |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a> |
| SCIP Number              | 5549986b-60cf-4a2a-afbb-4ad1d7a11dcb                                                                                         |
| Termination              | Lead (SnPb)                                                                                                                  |
| Marking                  | No                                                                                                                           |
| AEC-Q200                 | No                                                                                                                           |
| Typical Component Weight | 52 mg                                                                                                                        |
| Shelf Life               | 78 Weeks                                                                                                                     |
| MSL                      | 1                                                                                                                            |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 1210             |
| L         | 3.2mm +/-0.2mm   |
| W         | 2.5mm +/-0.2mm   |
| T         | 1.55mm +/-0.15mm |
| S         | 1.5mm MIN        |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2000                     |

### Specifications

|                                                                    |                        |
|--------------------------------------------------------------------|------------------------|
| Capacitance                                                        | 0.15 uF                |
| Measurement Condition                                              | 1 kHz 1.0Vrms          |
| Tolerance                                                          | 1%                     |
| Voltage DC                                                         | 25 VDC                 |
| Dielectric Withstanding Voltage                                    | 62.5 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                                              | 6.6667 GOhms           |

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