



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   |
| Typical Component Weight | 3.7 mg   |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

**Dimensions**

|                      |                  |
|----------------------|------------------|
| L                    | 1.6mm +/-0.15mm  |
| W                    | 0.8mm +/-0.15mm  |
| T                    | 0.8mm +/-0.07mm  |
| S                    | 0.5mm MIN        |
| B                    | 0.35mm +/-0.15mm |
| Case Code (EIA / mm) | 0603 / 1608      |

**Packaging Specifications**

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

**Specifications**

|  |                           |
|--|---------------------------|
| Capacitance  | 5.6 pF                    |
| Measurement Condition  | 1 MHz 1.0Vrms             |
| Tolerance  | +/-0.25 pF                |
| 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, 1MegaHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms        |
| Aging Rate   | 0% Loss/Decade Hour       |
| Insulation Resistance  | 100 GOhms                 |

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