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#### 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 | 62 mg                                      |
| Shelf Life               | 78 Weeks                                   |
| MSL                      | 1  |

#### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 4,700 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 | 1808            |
| L         | 4.7mm +/-0.5mm  |
| W         | 2mm +/-0.2mm    |
| T         | 1mm +/-0.15mm   |
| S         | 2.9mm MIN       |
| B         | 0.6mm +/-0.35mm |

#### Packaging Specifications

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

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