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#### General Information

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Series                   | ESD SMD Comm COG                                                 |
| Style                    | SMD Chip                                                         |
| Description              | SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I |
| Features                 | Temperature Stable, Low ESR, Class I                             |
| RoHS                     | Yes                                                              |
| Termination              | Tin                                                              |
| Marking                  | No                                                               |
| AEC-Q200                 | 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      |

#### Specifications

|                                                                    |                         |
|--------------------------------------------------------------------|-------------------------|
| Capacitance                                                        | 3,300 pF                |
| Measurement Condition                                              | 1 kHz 1.0Vrms           |
| Tolerance                                                          | 1%                      |
| Voltage DC                                                         | 25 VDC                  |
| ESD Level per AEC-Q200                                             | 16,000 V ESD Level      |
| 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, 1 kHz 1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1 kHz 1.0Vrms      |
| Aging Rate                                                         | 0% Loss/Decade Hour     |
| Insulation Resistance                                              | 100 GOhms               |

#### Packaging Specifications

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

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