



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0402            |
| L         | 1mm +/-0.05mm   |
| W         | 0.5mm +/-0.05mm |
| T         | 0.5mm +/-0.05mm |
| S         | 0.3mm MIN       |
| B         | 0.3mm +/-0.1mm  |

### Packaging Specifications

|                    |                        |
|--------------------|------------------------|
| Packaging          | T&R, 180mm, Paper Tape |
| Packaging Quantity | 10000                  |

### General Information

|                          |   |
|--------------------------|---|
| Series                   | ESD SMD Auto COG  |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade |
| Features                 | Temperature Stable, Automotive Grade                                      |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| Qualifications           | AEC-Q200  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 1.06 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 2200 pF                |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Capacitance Tolerance  | 10%                    |
| Voltage DC   | 25 VDC                 |
| ESD Level per AEC-Q200   | 6,000 V ESD Level      |
| Dielectric Withstanding Voltage                                    | 62.5 VDC               |
| Temperature Range  | -55/+125°C             |
| Temperature 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              |

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