



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

#### General Information

|                          |   |
|--------------------------|---|
| Series                   | SMD Auto COG HV   |
| Style                    | SMD Chip  |
| Description              | SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade |
| Features                 | Ultra-Stable, Low Loss, Automotive Grade                          |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| Qualifications           | AEC-Q200  |
| Typical Component Weight | 14 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

#### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 220 pF                 |
| Measurement Condition  | 1 MHz 1.0Vrms          |
| Tolerance  | 5%                     |
| Voltage DC   | 630 VDC                |
| Dielectric Withstanding Voltage                                    | 945 VDC                |
| Temperature Range  | -55/+125°C             |
| Temp. Coefficient  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1MHz 1.0Vrms      |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 100 GOhms              |

#### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 2mm +/-0.2mm     |
| W                    | 1.25mm +/-0.2mm  |
| T                    | 1.25mm +/-0.15mm |
| S                    | 0.7mm MIN        |
| B                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 0805 / 2012      |

#### Packaging Specifications

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

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