



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  |
| AEC-Q200                 | Yes   |
| Typical Component Weight | 370 mg  |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

#### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 0.033 uF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 20%                    |
| Voltage DC   | 500 VDC                |
| Dielectric Withstanding Voltage                                    | 750 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  | 30.303 GOhms           |

#### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 2225            |
| L         | 5.6mm +/-0.4mm  |
| W         | 6.4mm +/-0.4mm  |
| T         | 2mm +/-0.20mm   |
| S         | 3.2mm MIN       |
| B         | 0.6mm +/-0.35mm |

#### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 500                      |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.