



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1812            |
| L         | 4.5mm +/-0.3mm  |
| W         | 3.2mm +/-0.3mm  |
| T         | 2mm +/-0.20mm   |
| B         | 0.6mm +/-0.35mm |

### Packaging Specifications

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

### 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   |
| Component Weight | 87 mg   |
| Shelf Life       | 78 Weeks  |
| MSL              | 1   |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 0.033 uF               |
| Measurement Condition  | 1kHz 1.0Vrms           |
| Capacitance Tolerance  | 5%                     |
| Voltage DC   | 630 VDC                |
| Dielectric Withstanding Voltage                                    | 819 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% 1kHz 1.0Vrms      |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 30.303 GOhms           |