



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

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1812            |
| L         | 4.5mm +/-0.3mm  |
| W         | 3.2mm +/-0.3mm  |
| T         | 1mm +/-0.10mm   |
| B         | 0.6mm +/-0.35mm |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000                     |

### General Information

|                  |   |
|------------------|---|
| Series           | SMD Auto X7R HV   |
| Style            | SMD Chip  |
| Description      | SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade |
| Features         | High Voltage, Temp Stable, Automotive Grade                   |
| RoHS             | Yes   |
| Termination      | Tin   |
| Marking          | No  |
| Qualifications   | AEC-Q200  |
| AEC-Q200         | Yes   |
| Component Weight | 95 mg   |
| Shelf Life       | 78 Weeks  |
| MSL              | 1   |

### Specifications

|  |   |
|--|---|
| Capacitance  | 1000 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 1000 VDC  |
| Dielectric Withstanding Voltage                                    | 1200 VDC  |
| Temperature Range  | -55/+125°C                                      |
| Temperature Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |

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