



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

Dimensions

| | |
|-----------|------------------|
| Chip Size | 0805 |
| L | 2mm +/-0.2mm |
| W | 1.25mm +/-0.2mm |
| T | 1.25mm +/-0.15mm |
| S | 0.75mm MIN |
| B | 0.5mm +/-0.25mm |

Packaging Specifications

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

General Information

| | |
|------------------|---|
| Series | SMD Auto X8G HVHT150C |
| Style | SMD Chip |
| Description | SMD, MLCC, High Voltage, High Temperature, Ultra-Stable, Automotive Grade |
| Features | High Temperature, Ultra-Stable, Automotive Grade |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Component Weight | 14 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--|---|
| Capacitance | 150 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Capacitance Tolerance | 5% |
| Voltage DC | 500 VDC |
| Dielectric Withstanding Voltage | 1250 VDC |
| Temperature Range | -55/+150°C |
| Temperature Coefficient | X8G |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor | 0.1% 1 MHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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