



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

General Information

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|--------------------------|---|
| 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 |
| Typical Component Weight | 14 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

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| Capacitance | 5.6 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Tolerance | +/-0.5 pF |
| Voltage DC | 1000 VDC |
| Dielectric Withstanding Voltage | 1,200 VDC |
| Temperature Range | -55/+150°C |
| Temp. Coefficient | X8G |
| 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: Referee Time is 1000 Hours |
| 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

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

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