



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

General Information

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|--------------------------|---|
| Series | SMD Auto X8G HT150C |
| Style | SMD Chip |
| Description | SMD, MLCC, 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 |
| Typical Component Weight | 30 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

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|--|---|
| Capacitance | 2.7 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Tolerance | ± 0.25 pF |
| Voltage DC | 200 VDC |
| Dielectric Withstanding Voltage | 500 VDC |
| Temperature Range | $-55/+150^{\circ}\text{C}$ |
| Temp. Coefficient | X8G |
| Capacitance Change with Reference to $+25^{\circ}\text{C}$ 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 |

Dimensions

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|-----------|----------------------|
| Chip Size | 1210 |
| L | 3.2mm ± 0.2 mm |
| W | 2.5mm ± 0.2 mm |
| T | 0.78mm ± 0.10 mm |
| S | 1.5mm MIN |
| B | 0.5mm ± 0.25 mm |

Packaging Specifications

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|--------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 4000 |

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