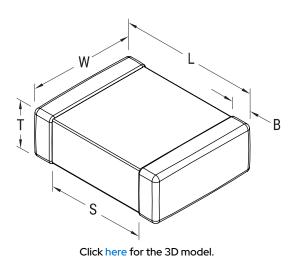




SMD Auto X8G HT150C, Ceramic, 1,300 pF, 5%, 250 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 1210, 1.5 mm



| General Information      |  |
|--------------------------|--|
| Series                   | SMD Auto X8G HT150C  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, High Temperature,<br>Ultra-Stable, Automotive Grade |
| Features                 | High Temperature, Ultra-Stable,<br>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  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.2mm +/-0.2mm  |
| W          | 2.5mm +/-0.2mm  |
| Т          | 0.9mm +/-0.10mm |
| S          | 1.5mm MIN       |
| В          | 0.5mm +/-0.25mm |

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|-----------------------------|--------------------------|
| De de sin a Caracifications |                          |
| Packaging Specifications    |                          |
| Packaging                   | T&R, 180mm, Plastic Tape |
| Packaging Quantity          | 4000                     |

| Specifications   |  |
|--|--|
| Capacitance  | 1,300 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 5%   |
| Voltage DC   | 250 VDC  |
| Dielectric Withstanding Voltage  | 625 VDC  |
| Temperature Range  | -55/+150°C   |
| Temp. Coefficient  | X8G  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms                             |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms                                 |
| Aging Rate   | 0% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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