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#### General Information

|                          |   |
|--------------------------|---|
| 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 | 1.06 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

#### Specifications

|  |   |
|--|---|
| Capacitance  | 2,000 pF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 2%  |
| Voltage DC   | 25 VDC  |
| Dielectric Withstanding Voltage                                    | 62.5 VDC  |
| Temperature Range  | -55/+150°C                                      |
| Temp. Coefficient  | X8G   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms                          |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms                              |
| Aging Rate   | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |

#### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0402            |
| L         | 1mm +/-0.05mm   |
| W         | 0.5mm +/-0.05mm |
| T         | 0.5mm +/-0.05mm |
| S         | 0.3mm MIN       |
| B         | 0.3mm +/-0.1mm  |

#### Packaging Specifications

|                    |                        |
|--------------------|------------------------|
| Packaging          | T&R, 330mm, Paper Tape |
| Packaging Quantity | 50000                  |

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