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#### General Information

|                          |   |
|--------------------------|---|
| Series                   | SMD Auto X8R 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 | 21 mg   |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

#### Specifications

|  |   |
|--|---|
| Capacitance  | 0.027 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 2%  |
| Voltage DC   | 16 VDC  |
| Dielectric Withstanding Voltage                                    | 40 VDC  |
| Temperature Range  | -55/+150°C                                      |
| Temp. Coefficient  | X8R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 37.037 GOhms                                    |

#### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 0805            |
| L         | 2mm +/-0.2mm    |
| W         | 1.25mm +/-0.2mm |
| T         | 1.1mm +/-0.10mm |
| S         | 0.7mm MIN       |
| B         | 0.5mm +/-0.25mm |

#### Packaging Specifications

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

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