



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

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 | false |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Typical Component Weight | 95 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Dimensions

| | |
|-----------|-----------------|
| Chip Size | 1812 |
| L | 4.5mm +/-0.3mm |
| W | 3.2mm +/-0.3mm |
| T | 1mm +/-0.10mm |
| S | 2.3mm MIN |
| B | 0.6mm +/-0.35mm |

Packaging Specifications

| | |
|--------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000 |

Specifications

| | |
|--|---|
| Capacitance | 0.047 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 10% |
| Voltage DC | 100 VDC |
| Dielectric Withstanding Voltage | 250 VDC |
| Temperature Range | -55/+150°C |
| Temperature Coefficient | X8R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms |
| Dissipation Factor | 2.5% 1kHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 21.2766 GOhms |