



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

Dimensions

| | |
|-----------|------------------|
| Chip Size | 0603 |
| L | 1.6mm +/-0.15mm |
| W | 0.8mm +/-0.15mm |
| T | 0.8mm +/-0.07mm |
| S | 0.7mm MIN |
| B | 0.35mm +/-0.15mm |

Packaging Specifications

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

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 |
| Component Weight | 4.8 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--|---|
| Capacitance | 47 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Capacitance Tolerance | 1% |
| Voltage DC | 25 VDC |
| Dielectric Withstanding Voltage | 62.5 VDC |
| Temperature Range | -55/+150°C |
| Temperature Coefficient | X8R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1MegaHz 1.0Vrms |
| Dissipation Factor | 2.5% 1 MHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |