

C1206X510J5HACAUTO

SMD Auto X8R HT150C Flex, Ceramic, 51 pF, 5%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, FT-CAP, Automotive Grade, 1206



Click here for the 3D model.

| Dimensions | | |
|------------|------------------|--|
| Chip Size | 1206 | |
| L | 3.3mm +/-0.4mm | |
| W | 1.6mm +/-0.35mm | |
| Т | 0.78mm +/-0.20mm | |
| В | 0.6mm +/-0.25mm | |

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

| General Information | |
|---------------------|---|
| Series | SMD Auto X8R HT150C Flex |
| Style | SMD Chip |
| Description | SMD, MLCC, High Temperature, Ultra-Stable, FT-CAP, Automotive Grade |
| Features | High Temperature, Ultra-Stable, FT-CAP, Automotive Grade |
| RoHS | Yes |
| Termination | Flexible Termination |
| Marking | No |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Component Weight | 17 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|--|--|
| Capacitance | 51 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Capacitance Tolerance | 5% |
| Voltage DC | 50 VDC |
| Dielectric Withstanding Voltage | 125 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 1.0 Vrms |
| Aging Rate | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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