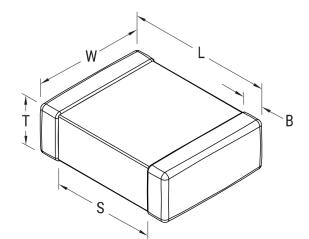


C0402C120J5HACAUTO

SMD Auto X8R HT150C, Ceramic, 12 pF, 5%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 0402



Click here for the 3D model.

| Dimensions | |
|------------|-----------------|
| Chip Size | 0402 |
| L | 1mm +/-0.05mm |
| W | 0.5mm +/-0.05mm |
| Т | 0.5mm +/-0.05mm |
| S | 0.3mm MIN |
| В | 0.3mm +/-0.1mm |

| Packaging Specifications | |
|--------------------------|------------------------|
| Packaging | T&R, 180mm, Paper Tape |
| Packaging Quantity | 10000 |

| 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 | 1.21 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|---|--|
| Capacitance | 12 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 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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