

C0603C560M4HACAUTO

SMD Auto X8R HT150C, Ceramic, 56 pF, 20%, 16 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 0603



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.07mm  |
| S          | 0.7mm MIN        |
| В          | 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,<br>Automotive Grade |
| Features            | High Temperature, Ultra-Stable, Automotive<br>Grade            |
| RoHS                | Yes  |
| Termination         | Tin  |
| Marking             | No   |
| Qualifications      | AEC-Q200   |
| AEC-Q200            | Yes  |
| Component<br>Weight | 4.8 mg   |
| Shelf Life          | 78 Weeks   |
| MSL                 | 1  |

| Specifications  |  |
|---|--|
| Capacitance   | 56 pF  |
| Measurement Condition   | 1 MHz 1.0Vrms                                      |
| Capacitance Tolerance   | 20%  |
| Voltage DC  | 16 VDC   |
| Dielectric Withstanding Voltage                                       | 40 VDC   |
| Temperature Range   | -55/+150°C   |
| Temperature Coefficient   | X8R  |
| Capacitance Change with Reference<br>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:<br>Referee Time is 1000 Hours |
| Insulation Resistance   | 100 GOhms  |

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