

## C0402C270J5HACAUTO

SMD Auto X8R HT150C, Ceramic, 27 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<br>Weight | 1.21 mg   |
| Shelf Life          | 78 Weeks  |
| MSL                 | 1   |

| Specifications   |  |
|--|--|
| Capacitance  | 27 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:<br>Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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