

## **C0805X159B5HACAUTO**

SMD Auto X8R HT150C Flex, Ceramic, 1.5 pF, +/-0.1 pF, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, FT-CAP, Automotive Grade, 0805



Click here for the 3D model.

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0805             |
| L          | 2mm +/-0.3mm     |
| W          | 1.25mm +/-0.3mm  |
| Т          | 0.78mm +/-0.20mm |
| S          | 0.75mm MIN       |
| В          | 0.5mm +/-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,<br>Automotive Grade         |
| RoHS                | Yes   |
| Termination         | Flexible Termination  |
| Marking             | No  |
| Qualifications      | AEC-Q200  |
| AEC-Q200            | Yes   |
| Component<br>Weight | 13 mg   |
| Shelf Life          | 78 Weeks  |
| MSL                 | 1   |

| Specifications   |  |
|--|--|
| Capacitance  | 1.5 pF   |
| Measurement Condition  | 1 MHz 1.0Vrms                                      |
| Capacitance Tolerance  | +/-0.1 pF  |
| 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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