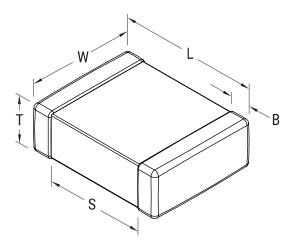


## C0805C511F2TACAUTO

SMD Auto X8G HT150C, Ceramic, 510 pF, 1%, 200 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 0805, 0.7 mm



Click here for the 3D model.

| General Information      |  |
|--------------------------|--|
| Series                   | SMD Auto X8G HT150C  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, High Temperature,<br>Ultra-Stable, Automotive Grade |
| Features                 | High Temperature, Ultra-Stable,<br>Automotive Grade            |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Marking                  | No   |
| Qualifications           | AEC-Q200   |
| AEC-Q200                 | Yes  |
| Typical Component Weight | 11 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

| 0805             |
|------------------|
| 2mm +/-0.2mm     |
| .25mm +/-0.2mm   |
| ).78mm +/-0.10mm |
| ).7mm MIN        |
| ).5mm +/-0.25mm  |
| 2<br>            |

## **Packaging Specifications**

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

| Specifications   |  |
|--|--|
| Capacitance  | 510 pF   |
| Measurement Condition  | 1 MHz 1.0Vrms                                      |
| Tolerance  | 1%   |
| Voltage DC   | 200 VDC  |
| Dielectric Withstanding Voltage  | 500 VDC  |
| Temperature Range  | -55/+150°C   |
| Temp. Coefficient  | X8G  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 30 ppm/C, 1MegaHz 1.0Vrms                          |
| Dissipation Factor   | 0.1% 1 MHz 1.0Vrms                                 |
| Aging Rate   | 0% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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