

## C1210C270MATACAUTO

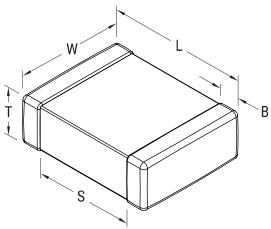
SMD Auto X8G HT150C, Ceramic, 27 pF, 20%, 250 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 1210, 1.5 mm

SMD Auto X8G HT150C

SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade

SMD Chip





| S Click here for the 3D model. | Features                 | High Temperature, Ultra-Stable,<br>Automotive Grade |
|--------------------------------|--------------------------|---|
|                                | RoHS                     | Yes   |
|                                | Termination              | Tin   |
|                                | Marking                  | No  |
|                                | Qualifications           | AEC-Q200  |
|                                | AEC-Q200                 | Yes   |
|                                | Typical Component Weight | 30 mg   |
|                                | Shelf Life               | 78 Weeks  |
|                                |                          |   |

**General Information** 

Series

Style

MSL

Description

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1210             |
| L          | 3.2mm +/-0.2mm   |
| W          | 2.5mm +/-0.2mm   |
| Т          | 0.78mm +/-0.10mm |
| S          | 1.5mm MIN        |
| В          | 0.5mm +/-0.25mm  |

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

| Specifications   |  |
|--|--|
| Capacitance  | 27 pF  |
| Measurement Condition  | 1 MHz 1.0Vrms                                      |
| Tolerance  | 20%  |
| Voltage DC   | 250 VDC  |
| Dielectric Withstanding Voltage  | 625 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  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Generated 05/04/2025 © 2006 - 2025 YAGEO