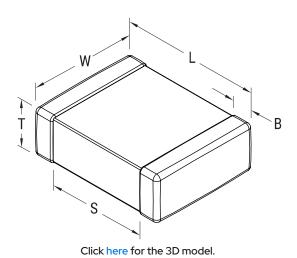


## C0805C473J3TACAUTO

SMD Auto X8G HT150C, Ceramic, 0.047 uF, 5%, 25 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, Automotive Grade, 0.7 mm, 0805 / 2012



| 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 | 14 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

0.047 uF

| Dimensions           |                  |
|----------------------|------------------|
| L                    | 2mm +/-0.2mm     |
| W                    | 1.25mm +/-0.2mm  |
| Т                    | 1.25mm +/-0.15mm |
| S                    | 0.7mm MIN        |
| В                    | 0.5mm +/-0.25mm  |
| Case Code (EIA / mm) | 0805 / 2012      |
|                      |                  |

| W                        | 1.25mm +/-0.2mm          | Measurement Condition                         | 1 kHz 1.0Vrms                |
|--------------------------|--------------------------|---|------------------------------|
| Т                        | 1.25mm +/-0.15mm         | Tolerance                                     | 5%                           |
| S                        | 0.7mm MIN                | Voltage DC                                    | 25 VDC                       |
| В                        | 0.5mm +/-0.25mm          | Dielectric Withstanding Voltage               | 62.5 VDC                     |
| Case Code (EIA / mm)     | 0805 / 2012              | Temperature Range                             | -55/+150°C                   |
|                          |                          | Temp. Coefficient                             | X8G                          |
| Packaging Specifications |                          | Capacitance Change with                       | 30 ppm/C, 1kHz 1.0Vrms       |
| Packaging                | T&R, 180mm, Plastic Tape | Reference to +25°C and 0 VDC<br>Applied (TCC) |                              |
| Packaging Quantity       | 2500                     | Dissipation Factor                            | 0.1% 1 kHz 1.0Vrms           |
|                          |                          | Aging Rate                                    | 0% Loss/Decade Hour: Referee |

**Specifications** Capacitance

| Measurement Condition  | 1 kHz 1.0Vrms                                      |
|--|--|
| Tolerance  | 5%   |
| Voltage DC   | 25 VDC   |
| Dielectric Withstanding Voltage  | 62.5 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, 1kHz 1.0Vrms                             |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms                                 |
| Aging Rate   | 0% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 21.2766 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.

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