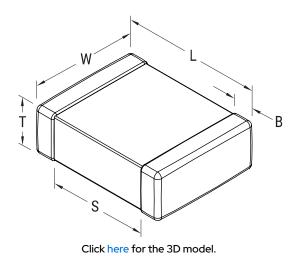


## C1210C272K2TACTU

Aliases (C1210C272K2TAC7800) SMD Comm X8G HT150C, Ceramic, 2,700 pF, 10%, 200 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, 1210, 1.5 mm



| General Information      |  |
|--------------------------|--|
| Series                   | SMD Comm X8G HT150C                          |
| Style                    | SMD Chip                                     |
| Description              | SMD, MLCC, High Temperature,<br>Ultra-Stable |
| Features                 | High Temperature, Ultra-Stable               |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 30 mg  |
| Shelf Life               | 78 Weeks                                     |
| MSL                      | 1  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.2mm +/-0.2mm  |
| W          | 2.5mm +/-0.2mm  |
| Т          | 0.9mm +/-0.10mm |
| S          | 1.5mm MIN       |
| В          | 0.5mm +/-0.25mm |
|            |                 |

| Т                        | 0.9mm +/-0.10mm |
|--------------------------|-----------------|
| S                        | 1.5mm MIN       |
| В                        | 0.5mm +/-0.25mm |
|                          |                 |
| Packaging Specifications |                 |

4000

Packaging

Packaging Quantity

T&R, 180mm, Plastic Tape

| Specifications   |  |
|--|--|
| Capacitance  | 2,700 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| 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, 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  | 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  |
|---|--------|
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