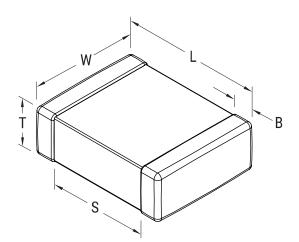


## C0805C302MATACTU

Aliases (C0805C302MATAC7800) SMD Comm X8G HT150C, Ceramic, 3,000 pF, 20%, 250 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, 0805, 0.7 mm



Click here for the 3D model.

| 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 | 11 mg  |
| Shelf Life               | 78 Weeks                                     |
| MSL                      | 1  |

| Specifications   |  |
|--|--|
| Capacitance  | 3,000 pF   |
| Measurement Condition  | 1 kHz 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, 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  |

 Dimensions

 Chip Size
 0805

 L
 2mm +/-0.2mm

 W
 1.25mm +/-0.2mm

 T
 0.78mm +/-0.10mm

 S
 0.7mm MIN

 B
 0.5mm +/-0.25mm

## Packaging Specifications Packaging

Packaging Quantity

T&R, 180mm, Paper Tape 4000

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