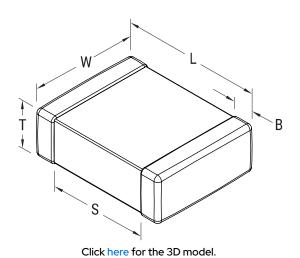


## C1206C102J2TACTU

Aliases (C1206C102J2TAC7800)

SMD Comm X8G HT150C, Ceramic, 1,000 pF, 5%, 200 VDC, X8G, SMD, MLCC, High Temperature, Ultra-Stable, 1206, 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 | 25 mg  |  |
| Shelf Life               | 78 Weeks                                     |  |
| MSL                      | 1  |  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| Т          | 1.1mm +/-0.10mm |
| S          | 1.5mm MIN       |
| В          | 0.5mm +/-0.25mm |
|            |                 |

| W                        | 1.6mm +/-0.2mm           | Tolerance                                     | 5%                           |
|--------------------------|--------------------------|---|------------------------------|
| Т                        | 1.1mm +/-0.10mm          | Voltage DC                                    | 200 VDC                      |
| S                        | 1.5mm MIN                | Dielectric Withstanding Voltage               | 500 VDC                      |
| В                        | 0.5mm +/-0.25mm          | Temperature Range                             | -55/+150°C                   |
|                          |                          | Temp. Coefficient                             | X8G                          |
| Packaging Specifications |                          | Capacitance Change with                       | 30 ppm/C, 1MegaHz 1.0Vrms    |
| Packaging                | T&R, 180mm, Plastic Tape | Reference to +25°C and 0 VDC<br>Applied (TCC) | 11 / / 3                     |
| Packaging Quantity       | aging Quantity 2500      | Dissipation Factor                            | 0.1% 1 MHz 1.0Vrms           |
|                          |                          | Dissipation ractor                            | 0.170 T 1411 12 1.0 VIIII3   |
|                          |                          | Aging Rate                                    | 0% Loss/Decade Hour: Referee |

| Specifications   |  |
|--|--|
| Capacitance  | 1,000 pF   |
| Measurement Condition  | 1 MHz 1.0Vrms                                      |
| Tolerance  | 5%   |
| 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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