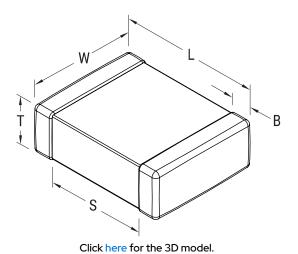


## C1206C912KATACTU

Aliases (C1206C912KATAC7800) SMD Comm X8G HT150C, Ceramic, 9,100 pF, 10%, 250 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 | 20 mg  |
| Shelf Life               | 78 Weeks                                     |
| MSL                      | 1  |

9,100 pF

1 kHz 1.0Vrms

| 1206            |
|-----------------|
| 3.2mm +/-0.2mm  |
| 1.6mm +/-0.2mm  |
| 0.9mm +/-0.10mm |
| 1.5mm MIN       |
| 0.5mm +/-0.25mm |
|                 |

|                          | ,               |
|--------------------------|-----------------|
| W                        | 1.6mm +/-0.2mm  |
| Т                        | 0.9mm +/-0.10mm |
| S                        | 1.5mm MIN       |
| В                        | 0.5mm +/-0.25mm |
|                          |                 |
| Packaging Specifications |                 |

| W                        | 1.6mm +/-0.2mm           | Tolerance                                     | 10%  |
|--------------------------|--------------------------|---|--|
| Т                        | 0.9mm +/-0.10mm          | Voltage DC                                    | 250 VDC  |
| S                        | 1.5mm MIN                | Dielectric Withstanding Voltage               | 625 VDC  |
| В                        | 0.5mm +/-0.25mm          | Temperature Range                             | -55/+150°C   |
|                          |                          | Temp. Coefficient                             | X8G  |
| Packaging Specifications |                          | Capacitance Change with 3                     | 30 ppm/C, 1kHz 1.0Vrms                             |
| Packaging                | T&R, 180mm, Plastic Tape | Reference to +25°C and 0 VDC<br>Applied (TCC) |  |
| Packaging Quantity 4000  | Dissipation Factor       | 0.1% 1 kHz 1.0Vrms                            |  |
|                          |                          | Aging Rate                                    | 0% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
|                          |                          |   |  |

|      | 1.6mm +/-0.2mm           | Tolerance                                     | 10%  |
|------|--------------------------|---|--|
|      | 0.9mm +/-0.10mm          | Voltage DC                                    | 250 VDC  |
|      | 1.5mm MIN                | Dielectric Withstanding Voltage               | 625 VDC  |
|      | 0.5mm +/-0.25mm          | Temperature Range                             | -55/+150°C   |
|      |                          | Temp. Coefficient                             | X8G  |
|      |                          | Capacitance Change with                       | 30 ppm/C, 1kHz 1.0Vrms                             |
|      | T&R, 180mm, Plastic Tape | Reference to +25°C and 0 VDC<br>Applied (TCC) |  |
| 4000 | 4000                     | Dissipation Factor                            | 0.1% 1 kHz 1.0Vrms                                 |
|      |                          | Aging Rate                                    | 0% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
|      |                          | Insulation Resistance                         | 100 GOhms  |

**Specifications** 

Measurement Condition

Capacitance

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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