



Click [here](#) for the 3D model.

## General Information

|                          |   |
|--------------------------|---|
| Series                   | SMD Comm X8G HT150C                       |
| Style                    | SMD Chip                                  |
| Description              | SMD, MLCC, High Temperature, Ultra-Stable |
| Features                 | High Temperature, Ultra-Stable            |
| RoHS                     | Yes                                       |
| Termination              | Tin                                       |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 67 mg                                     |
| Shelf Life               | 78 Weeks                                  |
| MSL                      | 1   |

## Specifications

|  |   |
|--|---|
| Capacitance  | 0.047 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 2%  |
| Voltage DC   | 250 VDC   |
| Dielectric Withstanding Voltage                                    | 625 VDC   |
| Temperature Range  | -55/+150°C                                      |
| Temp. Coefficient  | X8G   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms                          |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms                              |
| Aging Rate   | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 21.2766 GOhms                                   |

## Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 1812             |
| L         | 4.5mm +/-0.3mm   |
| W         | 3.2mm +/-0.3mm   |
| T         | 1.25mm +/-0.15mm |
| S         | 2.3mm MIN        |
| B         | 0.6mm +/-0.35mm  |

## Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 4000                     |

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