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| 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 | 40 mg                                     |
| Shelf Life               | 78 Weeks                                  |
| MSL                      | 1   |

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1210             |
| L          | 3.2mm +/-0.2mm   |
| W          | 2.5mm +/-0.2mm   |
| T          | 1.25mm +/-0.15mm |
| S          | 1.5mm MIN        |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 330mm, Plastic Tape |
| Packaging Quantity       | 10000                    |

| Specifications   |   |
|--|---|
| Capacitance  | 0.027 uF  |
| 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 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  | 37.037 GOhms                                    |

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