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

| 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                | T&R, 180mm, Paper Tape |
| Packaging Quantity       | 4000                   |

| Specifications                                                     |                                                 |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance                                                        | 560 pF                                          |
| Measurement Condition                                              | 1 MHz 1.0Vrms                                   |
| Tolerance                                                          | 2%                                              |
| Voltage DC                                                         | 200 VDC                                         |
| Dielectric Withstanding Voltage                                    | 500 VDC                                         |
| Temperature Range                                                  | -55/+150°C                                      |
| Temp. Coefficient                                                  | X8G                                             |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms                          |
| Dissipation Factor                                                 | 0.1% 1 MHz 1.0Vrms                              |
| Aging Rate                                                         | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance                                              | 100 GOhms                                       |

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