

## C0603X510F4HACTU

Aliases (C0603X510F4HAC7867)

SMD Comm X8R HT150C Flex, Ceramic, 51 pF, 1%, 16 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0.4 mm, 0603 / 1608



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | SMD Comm X8R HT150C Flex                  |
| Style                    | SMD Chip                                  |
| Description              | SMD, MLCC, High Temperature, Ultra-Stable |
| Features                 | Ultra-Stable                              |
| RoHS                     | Yes                                       |
| Termination              | Flexible Termination                      |
| Marking                  | No  |
| Typical Component Weight | 7.3 mg                                    |
| Shelf Life               | 78 Weeks                                  |
| MSL                      | 1   |

### Specifications

|  |   |
|--|---|
| Capacitance  | 51 pF   |
| Measurement Condition  | 1 MHz 1.0Vrms                                   |
| Tolerance  | 1%  |
| Voltage DC   | 16 VDC  |
| Dielectric Withstanding Voltage                                    | 40 VDC  |
| Temperature Range  | -55/+150°C                                      |
| Temp. Coefficient  | X8R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1MHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 MHz 1.0Vrms                              |
| Aging Rate   | 0% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 1.6mm +/-0.17mm  |
| W                    | 0.8mm +/-0.15mm  |
| T                    | 0.8mm +/-0.15mm  |
| S                    | 0.4mm MIN        |
| B                    | 0.45mm +/-0.15mm |
| Case Code (EIA / mm) | 0603 / 1608      |

### Packaging Specifications

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

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