

## C0805X510F4HALTU

Aliases (C0805X510F4HAL7800)

SMD Comm X8R HT150C Flex, Ceramic, 51 pF, 1%, 16 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0805



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                     | No   |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a> |
| Termination              | Flexible Termination With Lead (SnPb)  |
| Marking                  | false  |
| AEC-Q200                 | No   |
| Typical Component Weight | 13 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.3mm     |
| W         | 1.25mm +/-0.3mm  |
| T         | 0.78mm +/-0.20mm |
| S         | 0.6mm MIN        |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

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

### Specifications

|  |   |
|--|---|
| Capacitance  | 51 pF   |
| Measurement Condition  | 1 MHz 1.0Vrms                                   |
| Capacitance Tolerance  | 1%  |
| Voltage DC   | 16 VDC  |
| Dielectric Withstanding Voltage                                    | 40 VDC  |
| Temperature Range  | -55/+150°C                                      |
| Temperature 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                                       |

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