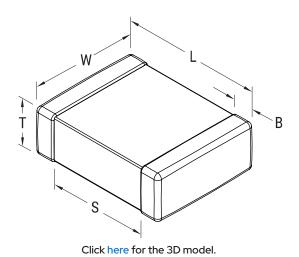


## C0805X102K5HACTU

Aliases (C0805X102K5HAC7800)

SMD Comm X8R HT150C Flex, Ceramic, 1,000 pF, 10%, 50 VDC, X8R, SMD, MLCC, High Temperature, Ultra-Stable, 0805, 0.6 mm



| General Information      |  |
|--------------------------|--|
| Series                   | SMD Comm X8R HT150C Flex                     |
| Style                    | SMD Chip                                     |
| Description              | SMD, MLCC, High Temperature,<br>Ultra-Stable |
| Features                 | Ultra-Stable                                 |
| RoHS                     | Yes  |
| Termination              | Flexible Termination                         |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 13 mg  |
| Shelf Life               | 78 Weeks                                     |
| MSL                      | 1  |

| 0805             |
|------------------|
| 2mm +/-0.3mm     |
| 1.25mm +/-0.3mm  |
| 0.78mm +/-0.20mm |
| 0.6mm MIN        |
| 0.5mm +/-0.25mm  |
|                  |

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

| Specifications   |  |
|--|--|
| Capacitance  | 1,000 pF   |
| Measurement Condition  | 1 MHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 50 VDC   |
| Dielectric Withstanding Voltage  | 125 VDC  |
| Temperature Range  | -55/+150°C   |
| Temp. Coefficient  | X8R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1MegaHz 1.0Vrms                               |
| Dissipation Factor   | 2.5%1MHz1.0Vrms                                    |
| Aging Rate   | 0% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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