

## C0402C104K4RALTU

Aliases (C0402C104K4RAL7867)

SMD Comm X7R SnPb, Ceramic, 0.1 uF, 10%, 16 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 0.3 mm, 0402 / 1005



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | SMD Comm X7R SnPb  |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, Temperature Stable, SnPb Termination  |
| Features                 | SnPb Termination   |
| RoHS                     | No   |
| Prop 65                  | <b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a> |
| SCIP Number              | 5549986b-60cf-4a2a-afbb-4ad1d7a11dcb   |
| Termination              | Lead (SnPb)  |
| Marking                  | No   |
| Typical Component Weight | 1.21 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 1mm +/-0.05mm   |
| W                    | 0.5mm +/-0.05mm |
| T                    | 0.5mm +/-0.05mm |
| S                    | 0.3mm MIN       |
| B                    | 0.3mm +/-0.1mm  |
| Case Code (EIA / mm) | 0402 / 1005     |

### Packaging Specifications

|                    |                        |
|--------------------|------------------------|
| Packaging          | T&R, 180mm, Paper Tape |
| Packaging Quantity | 10000                  |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.1 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 16 VDC  |
| Dielectric Withstanding Voltage                                    | 40 VDC  |
| Temperature Range  | -55/ +125°C                                     |
| Temp. Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 10% 1 kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 5 GOhms   |

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