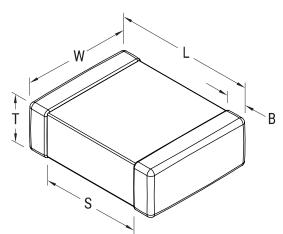


## C0402C131K5RACTU

Aliases (C0402C131K5RAC7867) SMD Comm X7R, Ceramic, 130 pF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0402, 0.3 mm



Click here for the 3D model.

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 0402            |
| L          | 1mm +/-0.05mm   |
| W          | 0.5mm +/-0.05mm |
| т          | 0.5mm +/-0.05mm |
| S          | 0.3mm MIN       |
| В          | 0.3mm +/-0.1mm  |
|            |                 |

## Packaging Specifications

| Packaging T           | T&R, 180mm, Paper Tape |
|-----------------------|------------------------|
| Packaging Quantity 10 | 10000                  |

| General Information      |  |
|--------------------------|--|
| Series                   | SMD Comm X7R                               |
| Style                    | SMD Chip                                   |
| Description              | SMD, MLCC, Temperature<br>Stable, Class II |
| Features                 | Temperature Stable, Class II               |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Marking                  | No   |
| AEC-Q200                 | No   |
| Typical Component Weight | 1.21 mg                                    |
| Shelf Life               | 78 Weeks                                   |
| MSL                      | 1  |

| Specifications   |  |
|--|--|
| Capacitance  | 130 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 50 VDC   |
| Dielectric Withstanding Voltage  | 125 VDC  |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 2.5%1kHz1.0Vrms                                    |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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