

## C1206X102K2RACTU

Aliases (C1206X102K2RAC7800)

SMD Comm X7R Flex, Ceramic, 1,000 pF, 10%, 200 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1206, 1.5 mm



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

### General Information

|                          |                                       |
|--------------------------|---------------------------------------|
| Series                   | SMD Comm X7R Flex                     |
| Style                    | SMD Chip                              |
| Description              | SMD, MLCC, FT-CAP, Temperature Stable |
| Features                 | FT-CAP, Temperature Stable            |
| RoHS                     | Yes                                   |
| Termination              | Flexible Termination                  |
| Marking                  | No                                    |
| AEC-Q200                 | No                                    |
| Typical Component Weight | 17 mg                                 |
| Shelf Life               | 78 Weeks                              |
| MSL                      | 1                                     |

### Specifications

|  |   |
|--|---|
| Capacitance  | 1,000 pF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 200 VDC   |
| Dielectric Withstanding Voltage                                    | 500 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   | 2.5% 1kHz 1.0Vrms                               |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms                                       |

### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 1206             |
| L         | 3.3mm +/-0.4mm   |
| W         | 1.6mm +/-0.35mm  |
| T         | 0.78mm +/-0.20mm |
| S         | 1.5mm MIN        |
| B         | 0.6mm +/-0.25mm  |

### Packaging Specifications

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

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