

## C1812X473K1RACTU

Aliases (C1812X473K1RAC7800)

SMD Comm X7R Flex, Ceramic, 0.047 uF, 10%, 100 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1812, 2.3 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 | 95 mg                                 |
| Shelf Life               | 78 Weeks                              |
| MSL                      | 1                                     |

### Specifications

|  |   |
|--|---|
| Capacitance  | 0.047 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 100 VDC   |
| Dielectric Withstanding Voltage                                    | 250 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  | 21.2766 GOhms                                   |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1812            |
| L         | 4.5mm +/-0.4mm  |
| W         | 3.2mm +/-0.3mm  |
| T         | 1mm +/-0.10mm   |
| S         | 2.3mm MIN       |
| B         | 0.7mm +/-0.35mm |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000                     |

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