

## C1812C223KCRACTU

Aliases (C1812C223KCRAC7800)

SMD Comm X7R HV, Ceramic, 0.022 uF, 10%, 500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1812, 2.3 mm



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

| General Information      |   |
|--------------------------|---|
| Series                   | SMD Comm X7R HV                             |
| Style                    | SMD Chip                                    |
| Description              | SMD, MLCC, High Voltage, Temperature Stable |
| Features                 | High Voltage                                |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Marking                  | No  |
| AEC-Q200                 | No  |
| Typical Component Weight | 95 mg                                       |
| Shelf Life               | 78 Weeks                                    |
| MSL                      | 1   |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1812            |
| L          | 4.5mm +/-0.3mm  |
| W          | 3.2mm +/-0.3mm  |
| T          | 1mm +/-0.10mm   |
| S          | 2.3mm MIN       |
| B          | 0.6mm +/-0.35mm |

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

| Specifications   |   |
|--|---|
| Capacitance  | 0.022 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 500 VDC   |
| Dielectric Withstanding Voltage                                    | 750 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  | 45.4545 GOhms                                   |

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