

## C1210C181KBRAC7800

Aliases (C1210C181KBRAC7800)

SMD Comm X7R HV, Ceramic, 180 pF, 10%, 630 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1210



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

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 1210             |
| L          | 3.2mm +/-0.2mm   |
| W          | 2.5mm +/-0.2mm   |
| T          | 1.25mm +/-0.15mm |
| B          | 0.5mm +/-0.25mm  |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging                | T&R, 180mm, Plastic Tape |
| Packaging Quantity       | 2500                     |

| 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  |
| Component Weight    | 65 mg                                       |
| Shelf Life          | 78 Weeks                                    |
| MSL                 | 1   |

| Specifications   |   |
|--|---|
| Capacitance  | 180 pF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance  | 10%   |
| Voltage DC   | 630 VDC   |
| Dielectric Withstanding Voltage                                    | 945 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temperature 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                                       |

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