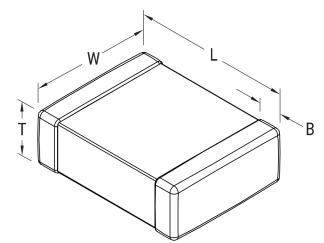


C1808C103KDRACTU

## Aliases (C1808C103KDRAC7800)

SMD Comm X7R HV, Ceramic, 0.01 uF, 10%, 1000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1808



Click here for the 3D model.

| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 1808            |  |
| L          | 4.7mm +/-0.5mm  |  |
| W          | 2mm +/-0.2mm    |  |
| Т          | 1.6mm +/-0.15mm |  |
| В          | 0.6mm +/-0.35mm |  |

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

| General Information |  |
|---------------------|--|
| Series              | SMD Comm X7R HV                                |
| Style               | SMD Chip                                       |
| Description         | SMD, MLCC, High Voltage, Temperature<br>Stable |
| Features            | High Voltage                                   |
| RoHS                | Yes  |
| Termination         | Tin  |
| Marking             | No   |
| AEC-Q200            | No   |
| Component<br>Weight | 100 mg   |
| Shelf Life          | 78 Weeks                                       |
| MSL                 | 1  |

| Specifications  |  |
|---|--|
| Capacitance   | 0.01 uF  |
| Measurement Condition   | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance   | 10%  |
| Voltage DC  | 1000 VDC   |
| Dielectric Withstanding Voltage                                       | 1200 VDC   |
| Temperature Range   | -55/+125°C   |
| Temperature Coefficient   | X7R  |
| Capacitance Change with Reference<br>to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor  | 2.5%1kHz1.0Vrms                                    |
| Aging Rate  | 3% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance   | 100 GOhms  |

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