

## C1210C681KDRACTU

**General Information** 

Series

Style

Description

Features

Aliases (C1210C681KDRAC7800) SMD Comm X7R HV, Ceramic, 680 pF, 10%, 1,000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1210, 1.5 mm

SMD Comm X7R HV

Temperature Stable

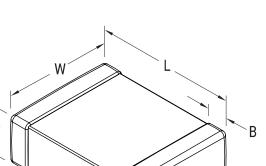
SMD, MLCC, High Voltage,

SMD Chip

High Voltage

Yes
Tin
No
No
85 mg
78 Weeks

1



|                              | D               |  |                          |
|------------------------------|-----------------|--|--------------------------|
|                              | S               |  | RoHS                     |
|                              |                 |  | Termination              |
|                              |                 |  | Marking                  |
|                              |                 |  | AEC-Q200                 |
| Click here for the 3D model. |                 |  | Typical Component Weight |
|                              |                 |  | Shelf Life               |
|                              |                 |  | MSL                      |
|                              |                 |  |                          |
| Dimensions                   |                 |  | Specifications           |
| Chip Size                    | 1210            |  | Capacitance              |
| 1                            | 2.2mm + / 0.2mm |  | Massurament Condition    |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1210            |
| L          | 3.2mm +/-0.2mm  |
| W          | 2.5mm +/-0.2mm  |
| Т          | 1.7mm +/-0.20mm |
| S          | 1.5mm MIN       |
| В          | 0.5mm +/-0.25mm |
|            |                 |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging                | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity       | 2000                     |  |

| Specifications   |  |
|--|--|
| Capacitance  | 680 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 10%  |
| Voltage DC   | 1000 VDC   |
| Dielectric Withstanding Voltage  | 1,200 VDC  |
| Temperature Range  | -55/+125°C   |
| Temp. Coefficient  | X7R  |
| Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                                 |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

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