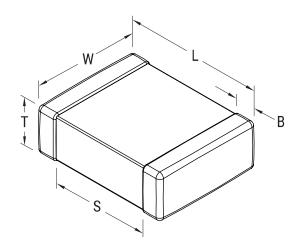


## **C1812C101JZRACTU**

Aliases (C1812C101JZRAC7800) SMD Comm X7R HV, Ceramic, 100 pF, 5%, 2,500 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,<br>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  |  |

|                                  | Specifications   |   |
|----------------------------------|--|---|
| 1812                             | Capacitance  | 100 pF  |
| 4.5mm +/-0.3mm                   | Measurement Condition  | 1 kHz 1.0Vrms                                     |
| 3.2mm +/-0.3mm                   | Tolerance  | 5%  |
| 1.25mm +/-0.15mm                 | Voltage DC   | 2500 VDC  |
| 2.3mm MIN<br>0.6mm +/-0.35mm     | Dielectric Withstanding Voltage  | 3,000 VDC   |
|                                  | Temperature Range  | -55/+125°C  |
|                                  | Temp. Coefficient  | X7R   |
| T&R, 180mm, Plastic Tape<br>1000 | Capacitance Change with<br>Reference to +25°C and 0 VDC<br>Applied (TCC) | 15%, 1kHz 1.0Vrms                                 |
|                                  | Dissipation Factor   | 2.5%1kHz1.0Vrms                                   |
|                                  | Aging Rate   | 3% Loss/Decade Hour: Refere<br>Time is 1000 Hours |
|                                  |  |   |

100 GOhms

Insulation Resistance

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Dimensions

**Packaging Specifications** 

Packaging Quantity

Chip Size

L W

Т

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в

Packaging

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