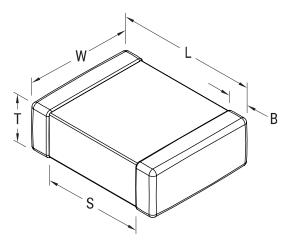


C1812C101KGRALTU

Aliases (C1812C101KGRAL7800) SMD Comm X7R HV, Ceramic, 100 pF, 10%, 2,000 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 |
| RoHS | No |
| Prop 65 | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov / |
| Termination | Lead (SnPb) |
| 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 |
| т | 1.25mm +/-0.15mm |
| S | 2.3mm MIN |
| В | 0.6mm +/-0.35mm |

Packaging Specifications

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

| Specifications | |
|--|--|
| Capacitance | 100 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 2000 VDC |
| Dielectric Withstanding Voltage | 2,400 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%1kHz1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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