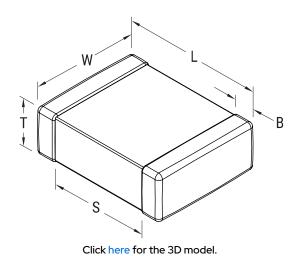


## C1808C471MGRACTU

Aliases (C1808C471MGRAC7800) SMD Comm X7R HV, Ceramic, 470 pF, 20%, 2,000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1808, 2.9 mm



| 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 | 100 mg   |
| Shelf Life               | 78 Weeks                                       |
| MSL                      | 1  |

| Specifications   |  |
|--|--|
| Capacitance  | 470 pF   |
| Measurement Condition  | 1 kHz 1.0Vrms                                      |
| Tolerance  | 20%  |
| Voltage DC   | 2000 VDC   |
| Dielectric Withstanding Voltage  | 2,400 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%1kHz1.0Vrms                                    |
| Aging Rate   | 3% Loss/Decade Hour: Referee<br>Time is 1000 Hours |
| Insulation Resistance  | 100 GOhms  |

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1808            |
| L          | 4.7mm +/-0.5mm  |
| W          | 2mm +/-0.2mm    |
| т          | 1.6mm +/-0.15mm |
| S          | 2.9mm MIN       |
| В          | 0.6mm +/-0.35mm |
|            |                 |

## Packaging Specifications Packaging

Packaging Quantity

T&R, 180mm, Plastic Tape 1000

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