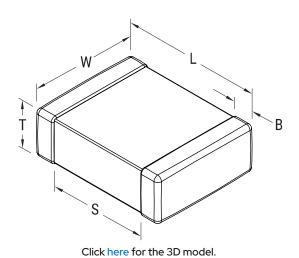


## C1808C470KGRACTU

Aliases (C1808C470KGRAC7800)

SMD Comm X7R HV, Ceramic, 47 pF, 10%, 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  |

| 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 |
|            |                 |

| •                        | /                        |
|--------------------------|--------------------------|
| S                        | 2.9mm MIN                |
| В                        | 0.6mm +/-0.35mm          |
|                          |                          |
| Packaging Specifications |                          |
| Packaging                | T&R, 180mm, Plastic Tape |

1000

Packaging Quantity

| Specifications   |  |
|--|--|
| Capacitance  | 47 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<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  |

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.

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