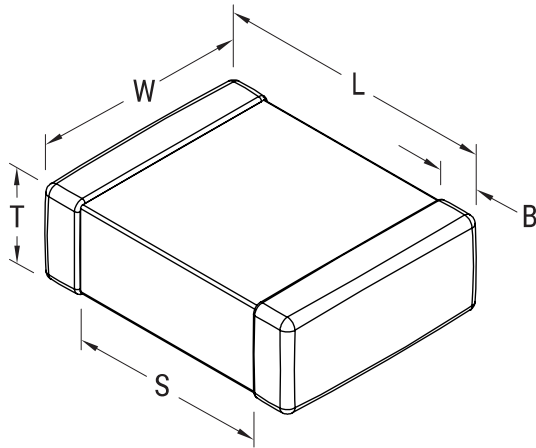


## C1808C471KGGAC7210

SMD Comm COG HV, Ceramic, 470 pF, 10%, 2,000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1808, 2.9 mm



Click [here](#) for the 3D model.

### General Information

|                          |                                            |
|--------------------------|--------------------------------------------|
| Series                   | SMD Comm COG HV                            |
| Style                    | SMD Chip                                   |
| Description              | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Features                 | Ultra-Stable, Low Loss, Class I            |
| RoHS                     | Yes                                        |
| Termination              | Tin                                        |
| Marking                  | No                                         |
| AEC-Q200                 | No                                         |
| Typical Component Weight | 62 mg                                      |
| Shelf Life               | 78 Weeks                                   |
| MSL                      | 1                                          |

### Dimensions

|           |                 |
|-----------|-----------------|
| Chip Size | 1808            |
| L         | 4.7mm +/-0.5mm  |
| W         | 2mm +/-0.2mm    |
| T         | 1.4mm +/-0.15mm |
| S         | 2.9mm MIN       |
| B         | 0.6mm +/-0.35mm |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 4000                     |

### Specifications

|                                                                    |                        |
|--------------------------------------------------------------------|------------------------|
| Capacitance                                                        | 470 pF                 |
| Measurement Condition                                              | 1 MHz 1.0Vrms          |
| Tolerance                                                          | 10%                    |
| Voltage DC                                                         | 2000 VDC               |
| Dielectric Withstanding Voltage                                    | 2,400 VDC              |
| Temperature Range                                                  | -55/+125°C             |
| Temp. Coefficient                                                  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1 MHz 1.0Vrms     |
| Aging Rate                                                         | 0% Loss/Decade Hour    |
| Insulation Resistance                                              | 100 GOhms              |

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