

## C0603C472F3GECTU

Aliases (C0603C472F3GEC7867)

ESD SMD Comm COG, Ceramic, 4,700 pF, 1%, 25 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 0.5 mm, 0603 / 1608



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

### General Information

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Series                   | ESD SMD Comm COG                                                 |
| Style                    | SMD Chip                                                         |
| Description              | SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I |
| Features                 | Temperature Stable, Low ESR, Class I                             |
| RoHS                     | Yes                                                              |
| Termination              | Tin                                                              |
| Marking                  | No                                                               |
| AEC-Q200                 | No                                                               |
| Typical Component Weight | 3.7 mg                                                           |
| Shelf Life               | 78 Weeks                                                         |
| MSL                      | 1                                                                |

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 1.6mm +/-0.15mm  |
| W                    | 0.8mm +/-0.15mm  |
| T                    | 0.8mm +/-0.07mm  |
| S                    | 0.5mm MIN        |
| B                    | 0.35mm +/-0.15mm |
| Case Code (EIA / mm) | 0603 / 1608      |

### Packaging Specifications

|                    |                        |
|--------------------|------------------------|
| Packaging          | T&R, 180mm, Paper Tape |
| Packaging Quantity | 4000                   |

### Specifications

|                                                                    |                        |
|--------------------------------------------------------------------|------------------------|
| Capacitance                                                        | 4,700 pF               |
| Measurement Condition                                              | 1 kHz 1.0Vrms          |
| Tolerance                                                          | 1%                     |
| Voltage DC                                                         | 25 VDC                 |
| ESD Level per AEC-Q200                                             | 16,000 V ESD Level     |
| Dielectric Withstanding Voltage                                    | 62.5 VDC               |
| Temperature Range                                                  | -55/+125°C             |
| Temp. Coefficient                                                  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor                                                 | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate                                                         | 0% Loss/Decade Hour    |
| Insulation Resistance                                              | 100 GOHms              |

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