

## C0603X222K1GECTU

Aliases (C0603X222K1GEC7867)

ESD SMD Comm COG, Ceramic, 2,200 pF, 10%, 100 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 0.4 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              | Flexible Termination   |
| Marking                  | No   |
| Typical Component Weight | 4.6 mg   |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 2,200 pF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 10%                    |
| Voltage DC   | 100 VDC                |
| ESD Level per AEC-Q200   | 12,000 V ESD Level     |
| Dielectric Withstanding Voltage                                    | 250 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              |

### Dimensions

|                      |                  |
|----------------------|------------------|
| L                    | 1.6mm +/-0.17mm  |
| W                    | 0.8mm +/-0.15mm  |
| T                    | 0.8mm +/-0.15mm  |
| S                    | 0.4mm MIN        |
| B                    | 0.45mm +/-0.15mm |
| Case Code (EIA / mm) | 0603 / 1608      |

### Packaging Specifications

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

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