

## C0805X223F5GECTU

Aliases (C0805X223F5GEC7800)

ESD SMD Comm COG, Ceramic, 0.022 uF, 1%, 50 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 0805 / 2012



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 | 14 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

### Specifications

|  |                        |
|--|------------------------|
| Capacitance  | 0.022 uF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 1%                     |
| Voltage DC   | 50 VDC                 |
| ESD Level per AEC-Q200   | 25,000 V ESD Level     |
| Dielectric Withstanding Voltage                                    | 125 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  | 45.4545 GOhms          |

### Dimensions

|                      |                 |
|----------------------|-----------------|
| L                    | 2mm +/-0.3mm    |
| W                    | 1.25mm +/-0.3mm |
| T                    | 1.1mm +/-0.10mm |
| S                    | 0.6mm MIN       |
| B                    | 0.5mm +/-0.25mm |
| Case Code (EIA / mm) | 0805 / 2012     |

### Packaging Specifications

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2500                     |

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