

C0603X682M5GECTU

Aliases (C0603X682M5GEC7867)

ESD SMD Comm COG, Ceramic, 6,800 pF, 20%, 50 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 | 6,800 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 20% |
| 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 | 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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