

C0603C689D5GAC7411

SMD Comm COG, Ceramic, 6.8 pF, +/-0.5 pF, 50 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603



Click here for the 3D model.

| Dimensions | |
|------------|------------------|
| Chip Size | 0603 |
| L | 1.6mm +/-0.15mm |
| W | 0.8mm +/-0.15mm |
| Т | 0.8mm +/-0.07mm |
| S | 0.7mm MIN |
| В | 0.35mm +/-0.15mm |

| Packaging Specifications | |
|--------------------------|------------------------|
| Packaging | T&R, 330mm, Paper Tape |
| Packaging Quantity | 15000 |

| General Information | |
|---------------------|--|
| Series | SMD Comm COG |
| 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 |
| Component Weight | 3.7 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | | |
|---|------------------------------|--|
| Capacitance | 6.8 pF | |
| Measurement Condition | 1 MHz 1.0Vrms | |
| Capacitance Tolerance | +/-0.5 pF | |
| Voltage DC | 50 VDC | |
| Dielectric Withstanding Voltage | 125 VDC | |
| Temperature Range | -55/+125°C | |
| Temperature Coefficient | COG | |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MegaHz 1.0Vrms | |
| Dissipation Factor | 0.1% 1 MHz 1.0Vrms | |
| Aging Rate | 0% Loss/Decade Hour | |
| Insulation Resistance | 100 GOhms | |

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