

C1808C689DCGACTU

Aliases (C1808C689DCGAC7800)

SMD Comm COG HV, Ceramic, 6.8 pF, +/-0.5 pF, 500 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1808



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

| Dimensions | |
|------------|-----------------|
| Chip Size | 1808 |
| L | 4.7mm +/-0.5mm |
| W | 2mm +/-0.2mm |
| T | 1.6mm +/-0.15mm |
| B | 0.6mm +/-0.35mm |

| Packaging Specifications | |
|--------------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 1000 |

| General Information | |
|---------------------|--|
| Series | SMD Comm COG HV |
| 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 | 81 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|--|------------------------|
| Capacitance | 6.8 pF |
| Measurement Condition | 1MHz 1.0Vrms |
| Capacitance Tolerance | +/-0.5 pF |
| Voltage DC | 500 VDC |
| Dielectric Withstanding Voltage | 750 VDC |
| Temperature Range | -55/+125°C |
| Temperature Coefficient | COG |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor | 0.1% 1MHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour |
| Insulation Resistance | 100 GOhms |

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