

C1808X681JGGACTU

Aliases (C1808X681JGGAC7800)

SMD Comm COG HV Flex, Ceramic, 680 pF, 5%, 2,000 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 1808, 2.9 mm



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

General Information

| | |
|--------------------------|---------------------------------|
| Series | SMD Comm COG HV Flex |
| Style | SMD Chip |
| Description | SMD, MLCC, FT-CAP, Ultra-Stable |
| Features | FT-CAP, Ultra-Stable |
| RoHS | Yes |
| Termination | Flexible Termination |
| Marking | No |
| AEC-Q200 | No |
| Typical Component Weight | 81 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--|------------------------|
| Capacitance | 680 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Tolerance | 5% |
| Voltage DC | 2000 VDC |
| Dielectric Withstanding Voltage | 2,400 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | COG |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor | 0.1% 1 MHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour |
| Insulation Resistance | 100 GOhms |

Dimensions

| | |
|-----------|-----------------|
| Chip Size | 1808 |
| L | 4.7mm +/-0.5mm |
| W | 2mm +/-0.2mm |
| T | 2mm +/-0.15mm |
| S | 2.9mm MIN |
| B | 0.7mm +/-0.35mm |

Packaging Specifications

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

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