

KEMET Part Number: C1812C271KHGACTU
(C1812C271KHGAC7800)

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SMD Comm COG HV, Ceramic, 270 pF, 10%, 3000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1812



Dimensions

| Chip Size | 1812 |
|-----------|-----------------|
| L | 4.5mm +/-0.3mm |
| W | 3.2mm +/-0.3mm |
| T | 2mm +/-0.20mm |
| B | 0.6mm +/-0.35mm |

Packaging Specifications

| | |
|----------------------------|--------------------------|
| Packaging: | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 500 |

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: | 87 mg |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

Specifications

| | |
|--|------------------------|
| Capacitance: | 270 pF |
| Measurement Condition: | 1 MHz 1.0Vrms |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 3000 VDC |
| Dielectric Withstanding Voltage: | 3600 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% 1 MHz 1.0Vrms |
| Aging Rate: | 0% Loss/Decade Hour |
| Insulation Resistance: | 100 GOhms |

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