

**KEMET Part Number: C1808C331JZGACTU**  
(C1808C331JZGAC7800)

SMD Comm COG HV, Ceramic, 330 pF, 5%, 2500 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1808



**Dimensions**

| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1808            |
| L          | 4.7mm +/-0.5mm  |
| W          | 2mm +/-0.2mm    |
| T          | 2mm +/-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   |
| Shelf Life:  | 78 Weeks                                   |
| MSL:         | 1  |

**Specifications**

|   |                           |
|---|---------------------------|
| Capacitance:  | 330 pF                    |
| Measurement Condition:  | 1 MHz 1.0Vrms             |
| Capacitance Tolerance:  | 5%                        |
| Voltage DC:   | 2500 VDC                  |
| Dielectric Withstanding Voltage:                                    | 3000 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                 |