

**KEMET Part Number: C1206C331JBGACTU**  
(C1206C331JBGAC7800)

SMD Comm COG HV, Ceramic, 330 pF, 5%, 630 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1206



**Dimensions**

| Dimension | Value           |
|-----------|-----------------|
| L         | 3.2mm +/-0.2mm  |
| W         | 1.6mm +/-0.2mm  |
| T         | 1mm +/-0.10mm   |
| B         | 0.5mm +/-0.25mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2500                     |

**General Information**

|                     |  |
|---------------------|--|
| <b>Series:</b>      | SMD Comm COG HV                            |
| <b>Style:</b>       | SMD Chip                                   |
| <b>Description:</b> | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| <b>Features:</b>    | Ultra-Stable, Low Loss, Class I            |
| <b>RoHS:</b>        | Yes  |
| <b>Termination:</b> | Tin  |
| <b>Marking:</b>     | No   |
| <b>AEC-Q200:</b>    | No   |
| <b>Chip Size:</b>   | 1206                                       |
| <b>Shelf Life:</b>  | 78 Weeks                                   |
| <b>MSL:</b>         | 1  |

**Specifications**

|  |                        |
|--|------------------------|
| <b>Capacitance:</b>  | 330 pF, 1MHz 1.0Vrms   |
| <b>Capacitance Tolerance:</b>  | 5%                     |
| <b>Voltage DC:</b>   | 630 VDC                |
| <b>Dielectric Withstanding Voltage:</b>                                    | 945 VDC                |
| <b>Temperature Range:</b>  | -55/+125°C             |
| <b>Temperature Coefficient:</b>  | COG                    |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 30 ppm/C, 1MHz 1.0Vrms |
| <b>Dissipation Factor:</b>   | 0.10% 1MHz 1.0Vrms     |
| <b>Aging Rate:</b>   | 0% Loss/Decade Hour    |
| <b>Insulation Resistance:</b>  | 100 GOhms              |

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