

**KEMET Part Number: C1206C221JBGACTU**  
(C1206C221JBGAC7800)



SMD Comm COG HV, Ceramic, 220 pF, 5%, 630 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1206



| Dimensions |                 |
|------------|-----------------|
| Chip Size  | 1206            |
| L          | 3.2mm +/-0.2mm  |
| W          | 1.6mm +/-0.2mm  |
| T          | 1mm +/-0.10mm   |
| B          | 0.5mm +/-0.25mm |

| Packaging Specifications |                          |
|--------------------------|--------------------------|
| Packaging:               | T&R, 180mm, Plastic Tape |
| Packaging Quantity:      | 2500                     |

| 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:   | 25 mg                                      |
| Shelf Life:         | 78 Weeks                                   |
| MSL:                | 1                                          |

| Specifications                                                      |                        |
|---------------------------------------------------------------------|------------------------|
| Capacitance:                                                        | 220 pF                 |
| Measurement Condition:                                              | 1 MHz 1.0Vrms          |
| Capacitance Tolerance:                                              | 5%                     |
| Voltage DC:                                                         | 630 VDC                |
| Dielectric Withstanding Voltage:                                    | 945 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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