

**KEMET Part Number: C0603C221J5GALTU**  
(C0603C221J5GAL7867)

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SMD Comm COG SnPb, Ceramic, 220 pF, 5%, 50 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603




#### Dimensions

| Chip Size | 0603             |
|-----------|------------------|
| L         | 1.6mm +/-0.15mm  |
| W         | 0.8mm +/-0.15mm  |
| T         | 0.8mm +/-0.07mm  |
| S         | 0.7mm MIN        |
| B         | 0.35mm +/-0.15mm |

#### Packaging Specifications

|                     |                        |
|---------------------|------------------------|
| Packaging:          | T&R, 180mm, Paper Tape |
| Packaging Quantity: | 4000                   |

#### General Information

|                   |   |
|-------------------|---|
| Series:           | SMD Comm COG SnPb   |
| Style:            | SMD Chip  |
| Description:      | SMD, MLCC, Ultra-Stable, Low Loss, Class I  |
| Features:         | Ultra-Stable, Low Loss, Class I   |
| RoHS:             | No  |
| Prop 65:          |  <b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> . |
| SCIP Number:      | 5549986b-60cf-4a2a-afbb-4ad1d7a11dcb  |
| Termination:      | Lead (SnPb)   |
| Marking:          | No  |
| AEC-Q200:         | No  |
| Component Weight: | 3700 ug   |
| Shelf Life:       | 78 Weeks  |
| MSL:              | 1   |

#### Specifications

|   |                           |
|---|---------------------------|
| Capacitance:  | 220 pF                    |
| Measurement Condition:  | 1 MHz 1.0Vrms             |
| Capacitance Tolerance:  | 5%                        |
| Voltage DC:   | 50 VDC                    |
| Dielectric Withstanding Voltage:                                    | 125 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                 |

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