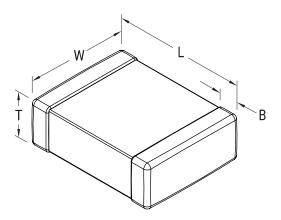
## KEMET Part Number: C1206C102G5GALTU

(C1206C102G5GAL7800)



SMD Comm C0G SnPb, Ceramic, 1000 pF, 2%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1206



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 1206             |  |
| L          | 3.2mm +/-0.2mm   |  |
| W          | 1.6mm +/-0.2mm   |  |
| Т          | 0.78mm +/-0.10mm |  |
| В          | 0.5mm +/-0.25mm  |  |

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

| General Information      |  |
|--------------------------|--|
| Series:                  | SMD Comm C0G SnPb  |
| Style:                   | SMD Chip   |
| Description:             | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I  |
| Features:                | Ultra-Stable, Low Loss, Class I  |
| RoHS:                    | No   |
| Prop 65:<br>SCIP Number: | warning: Cancer and reproductive harm - www.p65warnings.ca.gov. 5549986b-60cf-4a2a-afbb-4ad1d7a11dcb |
| Termination:             | Lead (SnPb)  |
| Marking:                 | No   |
| AEC-Q200:                | No   |
| Component Weight:        | 15 mg  |
| Shelf Life:              | 78 Weeks   |
| MSL:                     | 1  |

| Specifications  |                           |
|---|---------------------------|
| Capacitance:  | 1000 pF                   |
| Measurement Condition:  | 1 MHz 1.0Vrms             |
| Capacitance Tolerance:  | 2%                        |
| Voltage DC:   | 50 VDC                    |
| Dielectric Withstanding<br>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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