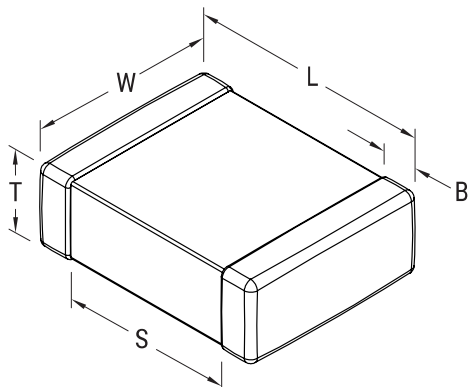


**KEMET Part Number: C0402C101J5GACTU**  
(C0402C101J5GAC7867)



SMD Comm COG, Ceramic, 100 pF, 5%, 50 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0402



**Dimensions**

|           |                 |
|-----------|-----------------|
| Chip Size | 0402            |
| L         | 1mm +/-0.05mm   |
| W         | 0.5mm +/-0.05mm |
| T         | 0.5mm +/-0.05mm |
| S         | 0.3mm MIN       |
| B         | 0.3mm +/-0.1mm  |

**Packaging Specifications**

|                     |                        |
|---------------------|------------------------|
| Packaging:          | T&R, 180mm, Paper Tape |
| Packaging Quantity: | 10000                  |

**General Information**

|              |                                            |
|--------------|--------------------------------------------|
| Series:      | SMD Comm COG                               |
| 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:                                                        | 100 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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