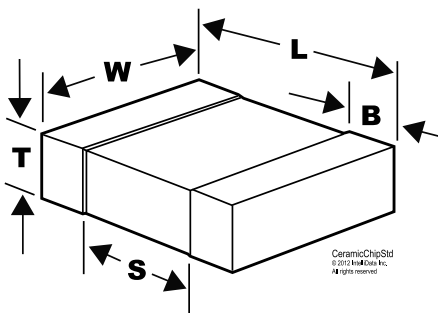


**KEMET Part Number: C0402C109C5GACTU**  
(C0402C109C5GAC7867)

Ceramic, Commercial-(CxxxxC), 1 pF, +/-0.25 pF, 50 V, 0402, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I



**Dimensions**

|   |                 |
|---|-----------------|
| 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**

|                |                                                         |
|----------------|---------------------------------------------------------|
| Style:         | SMD Chip                                                |
| Series:        | Commercial-(CxxxxC)                                     |
| Chip Size:     | 0402                                                    |
| Description:   | SMD, MLCC, Ultra-Stable, Low Loss, Class I              |
| Features:      | Ultra-Stable, Low Loss, Class I                         |
| RoHS:          | Yes                                                     |
| Termination:   | Tin                                                     |
| Marking:       | No                                                      |
| Failure Rate:  | N/A                                                     |
| Miscellaneous: | Note: KEMET 50V rated parts may be operated at 63 Volts |

**Specifications**

|                                  |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 1 pF                |
| Capacitance Tolerance:           | +/-0.25 pF          |
| Voltage DC:                      | 50 VDC              |
| Dielectric Withstanding Voltage: | 125 V               |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | C0G                 |
| Dissipation Factor:              | 0.1%                |
| Aging Rate:                      | 0% Loss/Decade Hour |
| Insulation Resistance:           | 100 GOhms           |