

**KEMET Part Number: C0402C100K5GACTU**  
(C0402C100K5GAC7867)

Ceramic, Commercial-(CxxxxC), 10 pF, 10%, 50 V, 0402, COG, 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:             | 10 pF               |
| Capacitance Tolerance:   | 10%                 |
| Voltage DC:              | 50 VDC              |
| Temperature Range:       | -55/+125C           |
| Temperature Coefficient: | COG                 |
| Dissipation Factor:      | 0.1%                |
| Aging Rate:              | 0% Loss/Decade Hour |
| Insulation Resistance:   | 100 GOhms           |
| Dielectric Strength:     | 125 V               |