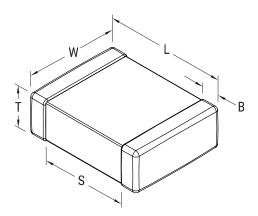
## **KEMET Part Number: C0603X102J5GACTU**

(C0603X102J5GAC7867)



SMD Comm C0G Flex, Ceramic, 1000 pF, 5%, 50 VDC, C0G, SMD, MLCC, FT-CAP, Ultra-Stable, 0603



| Dimensions |                  |  |
|------------|------------------|--|
| Chip Size  | 0603             |  |
| L          | 1.6mm +/-0.17mm  |  |
| W          | 0.8mm +/-0.15mm  |  |
| Т          | 0.8mm +/-0.15mm  |  |
| S          | 0.58mm MIN       |  |
| В          | 0.45mm +/-0.15mm |  |

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

| General Information |                                     |  |
|---------------------|-------------------------------------|--|
| Series:             | SMD Comm C0G Flex                   |  |
| Style:              | SMD Chip                            |  |
| Description:        | SMD, MLCC, FT-CAP, Ultra-<br>Stable |  |
| Features:           | FT-CAP, Ultra-Stable                |  |
| RoHS:               | Yes                                 |  |
| Termination:        | Flexible Termination                |  |
| Marking:            | No                                  |  |
| AEC-Q200:           | No                                  |  |
| Component Weight:   | 4600 ug                             |  |
| Shelf Life:         | 78 Weeks                            |  |
| MSL:                | 1                                   |  |

| Specifications  |                           |  |
|---|---------------------------|--|
| Capacitance:  | 1000 pF                   |  |
| Measurement Condition:  | 1 MHz 1.0Vrms             |  |
| Capacitance Tolerance:  | 5%                        |  |
| 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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