

**KEMET Part Number: C0603X121J5GACTU**  
(C0603X121J5GAC7867)



SMD Comm COG Flex, Ceramic, 120 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 0603



| General Information |                                 |
|---------------------|---------------------------------|
| Series:             | SMD Comm COG Flex               |
| Style:              | SMD Chip                        |
| Description:        | SMD, MLCC, FT-CAP, Ultra-Stable |
| Features:           | FT-CAP, Ultra-Stable            |
| RoHS:               | Yes                             |
| Termination:        | Flexible Termination            |
| Marking:            | No                              |
| AEC-Q200:           | No                              |
| Shelf Life:         | 78 Weeks                        |
| MSL:                | 1                               |

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

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

| Specifications  |                           |
|---|---------------------------|
| Capacitance:  | 120 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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