## KEMET Part Number: C0603C150J5GACTU

(C0603C150J5GAC7867)



## SMD Comm C0G, Ceramic, 15 pF, 5%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603



| Dimensions |                  |
|------------|------------------|
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| Т          | 0.8mm +/-0.07mm  |
| S          | 0.7mm MIN        |
| В          | 0.35mm +/-0.15mm |

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

| General Information |   |
|---------------------|---|
| Series:             | SMD Comm C0G  |
| Style:              | SMD Chip  |
| Description:        | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I           |
| Features:           | Ultra-Stable, Low Loss, Class I                         |
| RoHS:               | Yes   |
| Termination:        | Tin   |
| Marking:            | No  |
| AEC-Q200:           | No  |
| Miscellaneous:      | Note: KEMET 50V rated parts may be operated at 63 Volts |
| Chip Size:          | 0603  |
| Shelf Life:         | 78 Weeks  |
| MSL:                | 1   |

| Specifications  |                        |  |
|---|------------------------|--|
| Capacitance:  | 15 pF, 1MHz 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<br>Reference to +25°C and 0 VDC<br>Applied (TCC): | 30 ppm/C, 1MHz 1.0Vrms |  |
| Dissipation Factor:   | 0.10% 1MHz 1.0Vrms     |  |
| Aging Rate:   | 0% Loss/Decade Hour    |  |
| Insulation Resistance:  | 100 GOhms              |  |

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