## KEMET Part Number: C0402C331F3GALTU

(C0402C331F3GAL7867)



SMD Comm COG SnPb, Ceramic, 330 pF, 1%, 25 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0402



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 0402            |  |
| L          | 1mm +/-0.05mm   |  |
| W          | 0.5mm +/-0.05mm |  |
| Т          | 0.5mm +/-0.05mm |  |
| S          | 0.3mm MIN       |  |
| В          | 0.3mm +/-0.1mm  |  |

| Packaging Specifications |                        |  |
|--------------------------|------------------------|--|
| Packaging:               | T&R, 180mm, Paper Tape |  |
| Packaging Quantity:      | 10000                  |  |

| General Information   |  |  |
|-----------------------|--|--|
| Series:               | SMD Comm C0G SnPb  |  |
| Style:                | SMD Chip   |  |
| Description:          | SMD, MLCC, Ultra-Stable, Low<br>Loss, Class I  |  |
| Features:             | Ultra-Stable, Low Loss, Class I  |  |
| RoHS:                 | No   |  |
| Prop 65: SCIP Number: | warning: Cancer and reproductive harm - www.p65warnings.ca.gov. 5549986b-60cf-4a2a-afbb-4ad1d7a11dcb |  |
| Termination:          | Lead (SnPb)  |  |
| Marking:              | No   |  |
| AEC-Q200:             | No   |  |
| Component Weight:     | 1060 ug  |  |
| Shelf Life:           | 78 Weeks   |  |
| MSL:                  | 1  |  |

| Specifications  |                           |
|---|---------------------------|
| Capacitance:  | 330 pF                    |
| Measurement Condition:  | 1 MHz 1.0Vrms             |
| Capacitance Tolerance:  | 1%                        |
| Voltage DC:   | 25 VDC                    |
| Dielectric Withstanding<br>Voltage:                                 | 62.5 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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