

KEMET Part Number: C0402C102J5GECTU
(C0402C102J5GEC7867)



ESD SMD Comm COG, Ceramic, 1000 pF, 5%, 50 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 0402



| Dimensions | |
|------------|-----------------|
| Chip Size | 0402 |
| 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 | |
|---------------------|--|
| Series: | ESD SMD Comm COG |
| Style: | SMD Chip |
| Description: | SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I |
| Features: | Temperature Stable, Low ESR, Class I |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| AEC-Q200: | No |
| Component Weight: | 1060 ug |
| Shelf Life: | 78 Weeks |
| MSL: | 1 |

| Specifications | |
|---|---------------------------|
| Capacitance: | 1000 pF |
| Measurement Condition: | 1 MHz 1.0Vrms |
| Capacitance Tolerance: | 5% |
| Voltage DC: | 50 VDC |
| ESD Level per AEC-Q200: | 4,000 V ESD Level |
| 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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