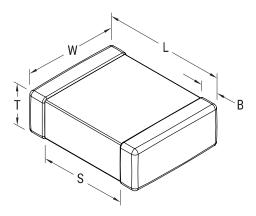
## KEMET Part Number: C0805C472G3GECTU

(C0805C472G3GEC7800)



ESD SMD Comm C0G, Ceramic, 4700 pF, 2%, 25 VDC, C0G, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 0805



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 0805            |  |
| L          | 2mm +/-0.2mm    |  |
| W          | 1.25mm +/-0.2mm |  |
| Т          | 0.9mm +/-0.10mm |  |
| S          | 0.75mm MIN      |  |
| В          | 0.5mm +/-0.25mm |  |

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

| General Information |  |  |
|---------------------|--|--|
| Series:             | ESD SMD Comm C0G   |  |
| Style:              | SMD Chip   |  |
| Description:        | SMD, MLCC, Temperature<br>Stable, Electro Static Discharge,<br>Class I |  |
| Features:           | Temperature Stable, Low ESR,<br>Class I                                |  |
| RoHS:               | Yes  |  |
| Termination:        | Tin  |  |
| Marking:            | No   |  |
| AEC-Q200:           | No   |  |
| Component Weight:   | 13 mg  |  |
| Shelf Life:         | 78 Weeks   |  |
| MSL:                | 1  |  |

| Specifications  |                        |  |
|---|------------------------|--|
| Capacitance:  | 4700 pF                |  |
| Measurement Condition:  | 1 kHz 1.0Vrms          |  |
| Capacitance Tolerance:  | 2%                     |  |
| Voltage DC:   | 25 VDC                 |  |
| ESD Level per AEC-Q200:   | 25,000 V ESD Level     |  |
| 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, 1kHz 1.0Vrms |  |
| Dissipation Factor:   | 0.1% 1 kHz 1.0Vrms     |  |
| Aging Rate:   | 0% Loss/Decade Hour    |  |
| Insulation Resistance:  | 100 GOhms              |  |

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