KEMET Part Number: C0603T519D8GACTU

(C0603T519D8GAC7867)



SMD COTS COG, Ceramic, 5.1 pF, +/-0.5 pF, 10 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 0603



| Dimensions | | |
|------------|------------------|--|
| Chip Size | 0603 | |
| 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 COTS COG | |
| Style: | SMD Chip | |
| Description: | SMD, MLCC, COTS, Ultra- Stable, Low Loss, Class I | |
| Features: | Ultra-Stable, Low Loss, Class I | |
| RoHS: | Yes | |
| Termination: | Tin | |
| Marking: | No | |
| Failure Rate: | Testing per MIL-PRF-55681 PDA 8% | |
| AEC-Q200: | No | |
| Component Weight: | 3700 ug | |
| Shelf Life: | 78 Weeks | |
| MSL: | 1 | |

| Specifications | | |
|---|---------------------------|--|
| Capacitance: | 5.1 pF | |
| Measurement Condition: | 1 MHz 1.0Vrms | |
| Capacitance Tolerance: | +/-0.5 pF | |
| Voltage DC: | 10 VDC | |
| Dielectric Withstanding Voltage: | 25 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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