

CO603T102F5GACTU

Aliases (C0603T102F5GAC7867)

SMD COTS COG, Ceramic, 1,000 pF, 1%, 50 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 0603, 0.5 mm



Click [here](#) for the 3D model.

General Information

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|--------------------------|--|
| 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 |
| Typical Component Weight | 3.7 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Dimensions

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| Chip Size | 0603 |
| L | 1.6mm +/-0.15mm |
| W | 0.8mm +/-0.15mm |
| T | 0.8mm +/-0.07mm |
| S | 0.5mm MIN |
| B | 0.35mm +/-0.15mm |

Packaging Specifications

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

Specifications

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|--|------------------------|
| Capacitance | 1,000 pF |
| Measurement Condition | 1 MHz 1.0Vrms |
| Tolerance | 1% |
| Voltage DC | 50 VDC |
| Dielectric Withstanding Voltage | 125 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | COG |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1MHz 1.0Vrms |
| Dissipation Factor | 0.1% 1 MHz 1.0Vrms |
| Aging Rate | 0% Loss/Decade Hour |
| Insulation Resistance | 100 GOhms |

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