

C0603T102F5GACTU

Aliases (C0603T102F5GAC7867)

SMD COTS COG, Ceramic, 1,000 pF, 1%, 50 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 0.5 mm, 0603 / 1608



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

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%
Typical Component Weight	3.7 mg
Shelf Life	78 Weeks
MSL	1

Dimensions

L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.5mm MIN
B	0.35mm +/-0.15mm
Case Code (EIA / mm)	0603 / 1608

Packaging Specifications

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

Specifications

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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