

## C0603T109C5GBLTU

Aliases (C0603T109C5GBL7867)

SMD COTS COG, Ceramic, 1 pF, +/-0.25 pF, 50 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 0603



Click here for the 3D model.

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	

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 No  Prop 65 MARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov.  SCIP Number 2d771165-5336-48a3-96fa-3663929fd828  Termination Lead (SnPb)  Marking No  Failure Rate EIA-469  AEC-Q200 No  Component Weight 3.7 mg  Shelf Life 78 Weeks	General Information	
Description SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I Features Ultra-Stable, Low Loss, Class I RoHS No Prop 65 MARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov. SCIP Number 2d771165-5336-48a3-96fa-3663929fd828 Termination Lead (SnPb) Marking No Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469 AEC-Q200 No Component Weight 3.7 mg Shelf Life 78 Weeks	Series	SMD COTS COG
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Prop 65  MARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov.  SCIP Number 2d771165-5336-48a3-96fa-3663929fd828  Termination Lead (SnPb)  Marking No  Failure Rate Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469  AEC-Q200 No  Component Weight 3.7 mg  Shelf Life 78 Weeks	Features	Ultra-Stable, Low Loss, Class I
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AEC-Q200 No Component Weight 3.7 mg Shelf Life 78 Weeks	Marking	No
Component Weight 3.7 mg Shelf Life 78 Weeks	Failure Rate	
Weight 3.7 mg  Shelf Life 78 Weeks	AEC-Q200	No
75 115115		3.7 mg
MCI 1	Shelf Life	78 Weeks
IVIOL	MSL	1

Specifications	
Capacitance	1pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	+/-0.25 pF
Voltage DC	50 VDC
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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