

## C0402T100K5GCLTU

## Aliases (C0402T100K5GCL7867)

SMD COTS COG, Ceramic, 10 pF, 10%, 50 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 0402



Click here for the 3D model.

Dimensions	
Chip Size	0402
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
т	0.5mm +/-0.05mm
S	0.3mm MIN
В	0.3mm +/-0.1mm

## **Packaging Specifications**

Packaging Packaging Quantity

T&R, 180mm, Paper Tape 10000

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	No	
Prop 65	A WARNING: 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, Humidity per MIL-STD-202, Method 103, Condition A	
AEC-Q200	No	
Component Weight	1.06 mg	
Shelf Life	78 Weeks	
MSL	1	

Specifications	
Capacitance	10 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	10%
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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