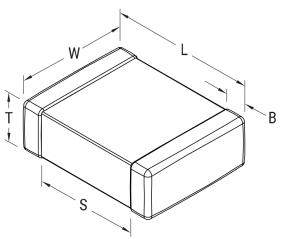


## C0603T682F3GCLTU

Aliases (C0603T682F3GCL7867)

SMD COTS COG, Ceramic, 6800 pF, 1%, 25 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 Specifications	
Packaging	T&R, 180mm, Paper Tape	
Packaging Quantity	4000	

Consult formers			
General Informati	on		
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	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	3.7 mg		
Shelf Life	78 Weeks		
MSL	1		

Specifications	
Capacitance	6800 pF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	1%
Voltage DC	25 VDC
Dielectric Withstanding Voltage	62.5 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor	0.1% 1 kHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 GOhms

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