

**KEMET Part Number: C0603C271J8GALTU**  
(C0603C271J8GAL7867)



SMD Comm COG SnPb, Ceramic, 270 pF, 5%, 10 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603



Dimensions	
Chip Size	0603
L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.7mm MIN
B	0.35mm +/-0.15mm

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

General Information	
Series:	SMD Comm COG SnPb
Style:	SMD Chip
Description:	SMD, MLCC, Ultra-Stable, Low Loss, Class I
Features:	Ultra-Stable, Low Loss, Class I
RoHS:	No
Prop 65:	<b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> .
SCIP Number:	5549986b-60cf-4a2a-afbb-4ad1d7a11dcb
Termination:	Lead (SnPb)
Marking:	No
AEC-Q200:	No
Component Weight:	3700 ug
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	270 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	5%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 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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