

KEMET Part Number: C0402C102G3GACTU
(C0402C102G3GAC7867)

SMD Comm COG, Ceramic, 1000 pF, 2%, 25 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0402



Dimensions

Dimensions	
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
T	0.5mm +/-0.05mm
S	0.3mm MIN
B	0.3mm +/-0.1mm

Packaging Specifications

Packaging Specifications	
Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	10000

General Information

General Information	
Series:	SMD Comm COG
Style:	SMD Chip
Description:	SMD, MLCC, Ultra-Stable, Low Loss, Class I
Features:	Ultra-Stable, Low Loss, Class I
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Chip Size:	0402
Shelf Life:	78 Weeks
MSL:	1

Specifications

Specifications	
Capacitance:	1000 pF, 1MHz 1.0Vrms
Capacitance Tolerance:	2%
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, 1MHz 1.0Vrms
Dissipation Factor:	0.10% 1MHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms

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