

**KEMET Part Number: C0201C101K8GACTU**  
(C0201C101K8GAC7867)

SMD Comm COG, Ceramic, 100 pF, 10%, 10 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0201



**Dimensions**

Dimensions	
Chip Size	0201
L	0.6mm +/-0.03mm
W	0.3mm +/-0.03mm
T	0.3mm +/-0.03mm
B	0.15mm +/-0.05mm

**Packaging Specifications**

Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	15000

**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
Component Weight:	320 ug
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	100 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	10%
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, 1MHz 1.0Vrms
Dissipation Factor:	0.1% 1 MHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms