

KEMET Part Number: C0603C689C1GACTU
(C0603C689C1GAC7867)

SMD Comm C0G, Ceramic, 6.8 pF, +/-0.25 pF, 100 VDC, C0G, 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 C0G
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
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	6.8 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	+/-0.25 pF
Voltage DC:	100 VDC
Dielectric Withstanding Voltage:	250 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	C0G
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	30 ppm/C, 1MHz 1.0Vrms
Dissipation Factor:	0.1% 1MHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms