

## C0603X681F5GACTU

Aliases (C0603X681F5GAC7867)

SMD Comm COG Flex, Ceramic, 680 pF, 1%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 0603



Click [here](#) for the 3D model.

### Dimensions

Chip Size	0603
L	1.6mm +/-0.17mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.15mm
S	0.58mm MIN
B	0.45mm +/-0.15mm

### Packaging Specifications

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

### General Information

Series	SMD Comm COG Flex
Style	SMD Chip
Description	SMD, MLCC, FT-CAP, Ultra-Stable
Features	FT-CAP, Ultra-Stable
RoHS	Yes
Termination	Flexible Termination
Marking	No
AEC-Q200	No
Component Weight	4.6 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	680 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	1%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 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

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