

**KEMET Part Number: C0603C680F5GACTU**  
(C0603C680F5GAC7867)

SMD Comm C0G, Ceramic, 68 pF, 1%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0603



**Dimensions**

Dimension	Value
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**

<b>Packaging:</b>	T&R, 180mm, Paper Tape
<b>Packaging Quantity:</b>	4000

**General Information**

<b>Supplier:</b>	KEMET
<b>Series:</b>	SMD Comm C0G
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MLCC, Ultra-Stable, Low Loss, Class I
<b>Features:</b>	Ultra-Stable, Low Loss, Class I
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Marking:</b>	No
<b>Miscellaneous:</b>	Note: KEMET 50V rated parts may be operated at 63 Volts
<b>Chip Size:</b>	0603

**Specifications**

<b>Capacitance:</b>	68 pF
<b>Capacitance Tolerance:</b>	1%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 V
<b>Temperature Range:</b>	-55/+125C
<b>Temperature Coefficient:</b>	C0G
<b>Dissipation Factor:</b>	0.10% 1MHz 25C
<b>Aging Rate:</b>	0% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 GOhms