

**KEMET Part Number: C0402C181J5GACTU**  
(C0402C181J5GAC7867)

Ceramic, Commercial-(CxxxxC), 180 pF, 5%, 50 V, 0402, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I



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

Packaging Specifications	
<b>Packaging:</b>	T&R, 180mm, Paper Tape
<b>Packaging Quantity:</b>	10000

General Information	
<b>Style:</b>	SMD Chip
<b>Series:</b>	Commercial-(CxxxxC)
<b>Chip Size:</b>	0402
<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>Failure Rate:</b>	N/A
<b>Miscellaneous:</b>	Note: KEMET 50V rated parts may be operated at 63 Volts

Specifications	
<b>Capacitance:</b>	180 pF
<b>Capacitance Tolerance:</b>	5%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 V
<b>Temperature Range:</b>	-55/+125C
<b>Temperature Coefficient:</b>	COG
<b>Dissipation Factor:</b>	0.1%
<b>Aging Rate:</b>	0% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 GOhms