

**KEMET Part Number: C0402C180J5GACTU**  
(C0402C180J5GAC7867)

Ceramic, Commercial-(CxxxxC), 18 pF, 5%, 50 V, 0402, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I



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

Packaging Specifications	
Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	10000

General Information	
Style:	SMD Chip
Series:	Commercial-(CxxxxC)
Chip Size:	0402
Description:	SMD, MLCC, Ultra-Stable, Low Loss, Class I
Features:	Ultra-Stable, Low Loss, Class I
RoHS:	Yes
Termination:	Tin
Marking:	No
Failure Rate:	N/A
Miscellaneous:	Note: KEMET 50V rated parts may be operated at 63 Volts

Specifications	
Capacitance:	18 pF
Capacitance Tolerance:	5%
Voltage DC:	50 VDC
Temperature Range:	-55/+125C
Temperature Coefficient:	COG
Dissipation Factor:	0.1%
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms
Dielectric Strength:	125 V