## KEMET Part Number: C0805C180J5GACTU

(C0805C180J5GAC7800)



## SMD Comm C0G, Ceramic, 18 pF, 5%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 0805



Dimensions	
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
Т	0.78mm +/-0.10mm
S	0.75mm MIN
В	0.5mm +/-0.25mm

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
Miscellaneous:	Note: KEMET 50V rated parts may be operated at 63 Volts
Chip Size:	0805
Shelf Life:	78 Weeks
MSL:	1

Specifications		
Capacitance:	18 pF, 1MHz 1.0Vrms	
Capacitance Tolerance:	5%	
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:	0.10% 1MHz 1.0Vrms	
Aging Rate:	0% Loss/Decade Hour	
Insulation Resistance:	100 GOhms	

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.





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