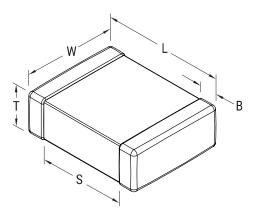
KEMET Part Number: C0603X102K5GEC



ESD SMD Comm C0G, Ceramic, 1000 pF, 10%, 50 VDC, C0G, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I, 0603



Dimensions		
Chip Size	0603	
L	1.6mm +/-0.17mm	
W	0.8mm +/-0.15mm	
Т	0.8mm +/-0.15mm	
S	0.58mm MIN	
В	0.45mm +/-0.15mm	

Packaging Specifications		
Packaging:	Bulk, Bag	
Packaging Quantity:	1	

General Information		
Series:	ESD SMD Comm C0G	
Style:	SMD Chip	
Description:	SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I	
Features:	Temperature Stable, Low ESR, Class I	
RoHS:	Yes	
Termination:	Flexible Termination	
Marking:	No	
AEC-Q200:	No	
Component Weight:	4600 ug	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications		
Capacitance:	1000 pF	
Measurement Condition:	1 MHz 1.0Vrms	
Capacitance Tolerance:	10%	
Voltage DC:	50 VDC	
ESD Level per AEC-Q200:	6,000 V ESD Level	
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, 1MegaHz 1.0Vrms	
Dissipation Factor:	0.1% 1 MHz 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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