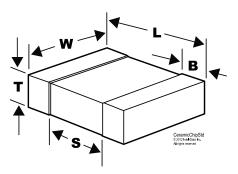
KEMET Part Number: C0603X102K5RECAUTO



Ceramic, Electro Static Discharge, ESD-FlexTerm-AUTO, 1000 pF, 10%, 50 V, 0603, X7R, SMD, MLCC, FT-CAP, Temperature Stable, Electro Static Discharge, Automotive Grade



Dimensions	
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:	T&R, 180mm, Paper Tape	
Packaging Quantity:	4000	

General Information	
Style:	SMD Chip
Series:	ESD-FlexTerm-AUTO
Chip Size:	0603
Description:	SMD, MLCC, FT-CAP, Temperature Stable, Electro Static Discharge, Automotive Grade
Features:	FT-CAP, Temperature Stable, Automotive Grade
RoHS:	Yes
Termination:	Flexible Termination
Marking:	No
Failure Rate:	N/A
Approvals:	AEC-Q200
AEC-Q200:	Yes
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours

Specifications		
Capacitance:	1000 pF	
Capacitance Tolerance:	10%	
Voltage DC:	50 VDC, 25000 V ESD Level	
ESD Level per AEC-Q200:	25,000 V ESD Level	
Dielectric Withstanding Voltage:	125 V	
Temperature Range:	-55/+125C	
Temperature Coefficient:	X7R	
Dissipation Factor:	2.5%	
Aging Rate:	3% Loss/Decade Hour	
Insulation Resistance:	100 GOhms	

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