

C0603X682M1RECAUTO

ESD SMD Auto X7R, Ceramic, 6800 pF, 20%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0603



Click here for the 3D model.

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 Packaging Quantity

T&R, 180mm, Paper Tape 4000

General Information	
Series	ESD SMD Auto X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade
Features	Temperature Stable, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	7.3 mg
Shelf Life	78 Weeks
MSL	1

Specifications		
Capacitance	6800 pF	
Measurement Condition	1 kHz 1.0Vrms	
Capacitance Tolerance	20%	
Voltage DC	100 VDC	
ESD Level per AEC-Q200	25,000 V ESD Level	
Dielectric Withstanding Voltage	250 VDC	
Temperature Range	-55/+125°C	
Temperature Coefficient	X7R	
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms	
Dissipation Factor	2.5%1kHz1.0Vrms	
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours	
Insulation Resistance	100 GOhms	

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