

C0402C682K5RECAUTO

ESD SMD Auto X7R, Ceramic, 6800 pF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0402



Click here for the 3D model.

Chip Size 0402   L 1mm +/-0.05mm   W 0.5mm +/-0.05mm   T 0.5mm +/-0.05mm   S 0.3mm MIN   B 0.3mm +/-0.1mm	Dimensions	
W 0.5mm +/-0.05mm   T 0.5mm +/-0.05mm   S 0.3mm MIN	Chip Size	0402
T 0.5mm +/-0.05mm   S 0.3mm MIN	L	1mm +/-0.05mm
S 0.3mm MIN	W	0.5mm +/-0.05mm
	Т	0.5mm +/-0.05mm
B 0.3mm +/-0.1mm	S	0.3mm MIN
	В	0.3mm +/-0.1mm

## **Packaging Specifications**

Packaging Packaging Quantity

T&R, 180mm, Paper Tape 10000

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	Tin
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	1.21 mg
Shelf Life	78 Weeks
MSL	1

Specifications	
Capacitance	6800 pF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	50 VDC
ESD Level per AEC-Q200	4,000 V ESD Level
Dielectric Withstanding Voltage	125 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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