

C0805X102K2RECAUTO

ESD SMD Auto X7R, Ceramic, 1000 pF, 10%, 200 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0805



Click here for the 3D model.

Chip Size 0805 L 2mm +/-0.3mm W 1.25mm +/-0.3mm T 0.78mm +/-0.20mm S 0.75mm MIN B 0.5mm +/-0.25mm	Dimensions	
W 1.25mm +/-0.3mm T 0.78mm +/-0.20mm S 0.75mm MIN	Chip Size	0805
T 0.78mm +/-0.20mm S 0.75mm MIN	L	2mm +/-0.3mm
S 0.75mm MIN	W	1.25mm +/-0.3mm
	Т	0.78mm +/-0.20mm
B 0.5mm +/-0.25mm	S	0.75mm MIN
0.51111 7-0.251111	В	0.5mm +/-0.25mm

Packaging Specifications

Packaging Packaging Quantity

T&R, 180mm, Plastic 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	13 mg
Shelf Life	78 Weeks
MSL	1

Specifications	
Capacitance	1000 pF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	200 VDC
ESD Level per AEC-Q200	12,000 V ESD Level
Dielectric Withstanding Voltage	500 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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