

C0603C104K5RAC3191

SMD Auto X7R, Ceramic, 0.1 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 0603



Click here for the 3D model.

Chip Size 0603 L 1.6mm +/-0.15mm W 0.8mm +/-0.15mm T 0.8mm +/-0.07mm S 0.7mm MIN	Dimensions	
W 0.8mm +/-0.15mm T 0.8mm +/-0.07mm	Chip Size	0603
T 0.8mm +/-0.07mm	L	1.6mm +/-0.15mm
	W	0.8mm +/-0.15mm
S 0.7mm MIN	Т	0.8mm +/-0.07mm
	S	0.7mm MIN
B 0.35mm +/-0.15mm	В	0.35mm +/-0.15mm

Packaging Specifications	
Packaging	T&R, 330mm, 2mm Pitch, Paper Tape
Packaging Quantity	30000

General Information	
Series	SMD Auto X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Automotive Grade
Features	Temperature Stable, Automotive Grade
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	4.8 mg
Shelf Life	78 Weeks
MSL	1

Specifications	
Capacitance	0.1 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	50 VDC
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% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	5 GOhms

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