

C0402C102G5GECAUTO

ESD SMD Auto COG, Ceramic, 1000 pF, 2%, 50 VDC, COG, 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 COG
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	1.06 mg
Shelf Life	78 Weeks
MSL	1

Specifications		
Capacitance	1000 pF	
Measurement Condition	1 MHz 1.0Vrms	
Capacitance Tolerance	2%	
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	COG	
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1MegaHz 1.0Vrms	
Dissipation Factor	0.1% 1 MHz 1.0Vrms	
Aging Rate	0% Loss/Decade Hour	
Insulation Resistance	100 GOhms	

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