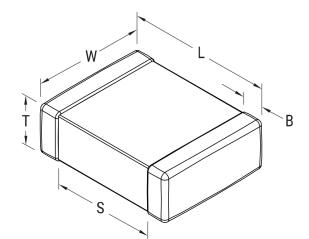


C0402C121KCGACAUTO

SMD Auto COG HV, Ceramic, 120 pF, 10%, 500 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, 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
W 0.5mm +/-0.05mm T 0.5mm +/-0.05mm S 0.3mm MIN
T 0.5mm +/-0.05mm S 0.3mm MIN
S 0.3mm MIN
B 0.3mm +/-0.1mm

Packaging Specifications	
Packaging	T&R, 180mm, Paper Tape
Packaging Quantity	10000

General Information	
Series	SMD Auto COG HV
Style	SMD Chip
Description	SMD, MLCC, Ultra-Stable, Low Loss, High Voltage, Automotive Grade
Features	Ultra-Stable, Low Loss, 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	120 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	500 VDC
Dielectric Withstanding Voltage	750 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C
Dissipation Factor	0.1% 1 MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 GOhms

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