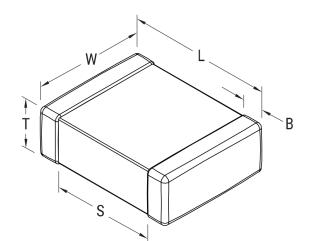


C0402C181F5GACAUTO

SMD Auto COG, Ceramic, 180 pF, 1%, 50 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, 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	

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

General Information	
Series	SMD Auto COG
Style	SMD Chip
Description	SMD, MLCC, Ultra-Stable, Low Loss, 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	180 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	1%
Voltage DC	50 VDC
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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