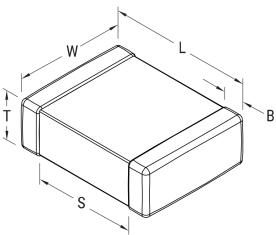


## C0402C102J5GECAUTO

ESD SMD Auto COG, Ceramic, 1000 pF, 5%, 50 VDC, COG, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0402



Click here for the 3D model.

Dimensions	
Chip Size	0402
L	1mm +/-0.05mm
W	0.5mm +/-0.05mm
Т	0.5mm +/-0.05mm
S	0.3mm MIN
В	0.3mm +/-0.1mm

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

SeriesESD SMD Auto COGStyleSMD ChipDescriptionSMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive GradeFeaturesTemperature Stable, Automotive GradeRoHSYesTerminationTinMarkingNoQualificationsAEC-Q200AEC-Q200YesComponent Weight1.06 mg	General Information	
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	Series	ESD SMD Auto COG
Discharge, Automotive Grade  Features Temperature Stable, Automotive Grade  RoHS Yes  Termination Tin  Marking No  Qualifications AEC-Q200  AEC-Q200 Yes  Component Weight  Discharge, Automotive Grade  Yes  Temperature Stable, Automotive Grade  Automotive Grade  Automotive Grade  Yes  Temperature Stable, Automotive Grade  Automotive Grade  Automotive Grade	Style	SMD Chip
RoHS Yes Termination Tin Marking No Qualifications AEC-Q200 AEC-Q200 Yes Component Weight 1.06 mg	Description	
Termination Tin  Marking No  Qualifications AEC-Q200  AEC-Q200 Yes  Component Weight 1.06 mg	Features	Temperature Stable, Automotive Grade
Marking No Qualifications AEC-Q200 AEC-Q200 Yes  Component Weight 1.06 mg	RoHS	Yes
Qualifications AEC-Q200 AEC-Q200 Yes Component Weight 1.06 mg	Termination	Tin
AEC-Q200 Yes  Component Weight 1.06 mg	Marking	No
Component 1.06 mg	Qualifications	AEC-Q200
Weight 1.06 mg	AEC-Q200	Yes
		1.06 mg
Shelf Life 78 Weeks	Shelf Life	78 Weeks
MSL 1	MSL	1

Specifications	
Capacitance	1000 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	5%
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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.