

C0603X689C5GACAUTO

SMD Auto COG Flex, Ceramic, $6.8\,\mathrm{pF}$, $+/-0.25\,\mathrm{pF}$, $50\,\mathrm{VDC}$, COG, SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade, $0603\,$



Click here for the 3D model.

Dimensions	
Chip Size	0603
L	1.6mm +/-0.17mm
W	0.8mm +/-0.15mm
Т	0.8mm +/-0.15mm
S	0.58mm MIN
В	0.45mm +/-0.15mm

Packaging Specifications		
Packaging	T&R, 180mm, Paper Tape	
Packaging Quantity	4000	

General Information	
Series	SMD Auto COG Flex
Style	SMD Chip
Description	SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade
Features	FT-CAP, Ultra-Stable, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	4.6 mg
Shelf Life	78 Weeks
MSL	1

Specifications	
Capacitance	6.8 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	+/-0.25 pF
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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