

C0603X470J5GAC3190

SMD Auto COG Flex, Ceramic, 47 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade, 0603



Click here for the 3D model.

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

Packaging Specifications	
Packaging	T&R, 180mm, 2mm Pitch, Paper Tape
Packaging Quantity	8000

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	47 pF
Measurement Condition	1 MHz 1.0Vrms
Capacitance Tolerance	5%
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

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.