

SMD Auto COG HV Flex, Ceramic, 0.047 uF, 5%, 630 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, Automotive Grade, 1812



Dimensions

Dimensions	
Chip Size	1812
L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	2.5mm +/-0.20mm
B	0.7mm +/-0.35mm

Packaging Specifications

Weight:	87 mg
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	500

General Information

Series:	SMD Auto COG HV 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
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	0.047 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	5%
Voltage DC:	630 VDC
Dielectric Withstanding Voltage:	819 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor:	0.1% 1 kHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	21.2766 GOhms