



Click [here](#) for the 3D model.

Dimensions

Chip Size	0603
L	1.6mm +/-0.2mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.15mm
S	0.58mm MIN
B	0.45mm +/-0.15mm

Packaging Specifications

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

General Information

Series	SMD Auto X7R Flex
Style	SMD Chip
Description	SMD, MLCC, FT-CAP, Automotive Grade
Features	FT-CAP, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	7.3 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	1 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	6.3 VDC
Dielectric Withstanding Voltage	15.75 VDC
Temperature Range	-55/+125°C
Temperature Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%, 1kHz 1.0Vrms
Dissipation Factor	10% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 48 Hours
Insulation Resistance	100 MOhms