



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

### Dimensions

Chip Size	1812
L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	2mm +/-0.20mm
S	2.3mm MIN
B	0.7mm +/-0.35mm

### Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	500

### General Information

Series	SMD Auto X7R FO
Style	SMD Chip
Description	SMD, MLCC, Open Mode, Automotive Grade
Features	Open Mode, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	false
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	185 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	1 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 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	2.5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	1 GOhms