



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

### Dimensions

Chip Size	1812
L	4.5mm +/-0.3mm
W	3.2mm +/-0.3mm
T	1.1mm +/-0.10mm
B	0.6mm +/-0.35mm

### Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	1000

### General Information

Series	SMD Auto X7R
Style	SMD Chip
Description	SMD, MLCC, Temperature Stable, Automotive Grade
Features	Temperature Stable, Automotive Grade
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	95 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	1.5 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	20%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 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% 1kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	666.7 MOhms