

## C1812J105K1RACAUTO

SMD Auto X7R FO, Ceramic, 1 uF, 10%, 100 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 2.3 mm, 1812 / 4532



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

### 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	No
Qualifications	AEC-Q200
Typical Component Weight	185 mg
Shelf Life	78 Weeks
MSL	1

### Dimensions

L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	2mm +/-0.20mm
S	2.3mm MIN
B	0.7mm +/-0.35mm
Case Code (EIA / mm)	1812 / 4532

### Packaging Specifications

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

### Specifications

Capacitance	1 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 VDC
Temperature Range	-55/+125°C
Temp. 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

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