

SMD Auto X7R FO, Ceramic, 4.7 uF, 10%, 50 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 1812



**Dimensions**

Chip Size		1812
L		4.5mm +/-0.3mm
W		3.2mm +/-0.3mm
T		1.6mm +/-0.20mm
B		0.6mm +/-0.35mm

**Packaging Specifications**

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

**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:	Tin
Marking:	No
Qualifications:	AEC-Q200
AEC-Q200:	Yes
Component Weight:	185 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	4.7 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
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% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	106.4 MOhms