

SMD Auto X7R, Ceramic, 10 uF, 10%, 16 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 1210



**Dimensions**

Dimensions	
Chip Size	1210
L	3.2mm +/-0.3mm
W	2.5mm +/-0.22mm
T	2.5mm +/-0.30mm
B	0.5mm +/-0.25mm

**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:	135 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	10 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	16 VDC
Dielectric Withstanding Voltage:	40 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:	10 MOhms