

SMD Auto X7R HV, Ceramic, 0.27 uF, 10%, 500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade, 1812



Dimensions	
Chip Size	1812
L	4.5mm +/-0.3mm
W	3.2mm +/-0.3mm
T	1.9mm +/-0.20mm
B	0.6mm +/-0.35mm

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

General Information	
Series:	SMD Auto X7R HV
Style:	SMD Chip
Description:	SMD, MLCC, High Voltage, Temperature Stable, Automotive Grade
Features:	High Voltage, Temp Stable, 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:	0.27 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	500 VDC
Dielectric Withstanding Voltage:	750 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:	370.4 MOhms

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