



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

**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
Typical Component Weight	230 mg
Shelf Life	78 Weeks
MSL	1

**Specifications**

Capacitance	220 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	3000 VDC
Dielectric Withstanding Voltage	3,600 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	100 GOhms

**Dimensions**

L	5.7mm +/-0.4mm
W	5mm +/-0.4mm
T	1.6mm +/-0.20mm
S	3.5mm MIN
B	0.6mm +/-0.35mm
Case Code (EIA / mm)	2220 / 5651

**Packaging Specifications**

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

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