



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

#### General Information

Series	SMD Auto X7R FF
Style	SMD Chip
Description	SMD, MLCC, FF-CAP, Floating Electrode, Automotive Grade
Features	FF-CAP, Floating Electrode, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	7.3 mg
Shelf Life	78 Weeks
MSL	1

#### Specifications

Capacitance	1,000 pF
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%
Dissipation Factor	2.5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms

#### Dimensions

Chip Size	0603
L	1.6mm +/-0.17mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.15mm
S	0.4mm MIN
B	0.45mm +/-0.15mm

#### Packaging Specifications

Packaging	T&R, 180mm, Paper Tape
Packaging Quantity	4000

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