



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	false
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	7.3 mg
Shelf Life	78 Weeks
MSL	1

**Specifications**

Capacitance	1000 pF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	100 VDC
Dielectric Withstanding Voltage	250 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	100 GOhms

**Dimensions**

Chip Size	0603
L	1.6mm +/-0.17mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.15mm
S	0.5mm MIN
B	0.45mm +/-0.15mm

**Packaging Specifications**

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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.