



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

**General Information**

Series	SMD Auto X7R FE
Style	SMD Chip
Description	SMD, MLCC, FE-CAP, Floating Electrode, Automotive Grade
Features	FE-CAP, Floating Electrode, Automotive Grade
RoHS	Yes
Termination	Tin
Marking	No
Qualifications	AEC-Q200
Typical Component Weight	41 mg
Shelf Life	78 Weeks
MSL	1

**Dimensions**

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
T	1.6mm +/-0.2mm
S	1.5mm MIN
B	0.5mm +/-0.25mm
Case Code (EIA / mm)	1206 / 3216

**Packaging Specifications**

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	2000

**Specifications**

Capacitance	0.68 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	5%
Voltage DC	6.3 VDC
Dielectric Withstanding Voltage	15.75 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%
Dissipation Factor	5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	735.3 MOhms

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.