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**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	85 mg
Shelf Life	78 Weeks
MSL	1

**Dimensions**

L	3.2mm +/-0.2mm
W	2.5mm +/-0.2mm
T	1.7mm +/-0.2mm
S	1.5mm MIN
B	0.5mm +/-0.25mm
Case Code (EIA / mm)	1210 / 3225

**Specifications**

Capacitance	0.33 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	16 VDC
Dielectric Withstanding Voltage	40 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%
Dissipation Factor	3.5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	3.0303 GOhms

**Packaging Specifications**

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

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