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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	false
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	40 mg
Shelf Life	78 Weeks
MSL	1

**Dimensions**

Chip Size	1210
L	3.2mm +/-0.2mm
W	2.5mm +/-0.2mm
T	0.9mm +/-0.10mm
S	1.5mm MIN
B	0.5mm +/-0.25mm

**Packaging Specifications**

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

**Specifications**

Capacitance	0.22 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 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	4.5455 GOhms

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