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Dimensions

Chip Size	1812
L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	2.5 mm +/-0.20mm
B	0.7mm +/-0.35mm

Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	500

General Information

Series	SMD X7R HV AUTO FF
Style	SMD Chip
Description	SMD, MLCC, Automotive Grade
Features	Floating Electrode, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	No
Qualifications	AEC-Q200
AEC-Q200	Yes
Component Weight	95 mg
Shelf Life	78 Weeks
MSL	1

Specifications

Capacitance	0.033 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	1000 VDC
Dielectric Withstanding Voltage	1200 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% 1kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	3.0303 GOhms

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