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General Information

Series	ArcShield SMD Auto X7R HV
Style	SMD Chip
Description	SMD, MLCC, ArcShield, High Voltage, Automotive Grade
Features	ArcShield, High Voltage, Automotive Grade
RoHS	Yes
Termination	Flexible Termination
Marking	false
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	430 mg
Miscellaneous	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life	78 Weeks
MSL	1

Dimensions

Chip Size	2225
L	5.9mm +/-0.75mm
W	6.4mm +/-0.4mm
T	2mm +/-0.20mm
S	3.2mm MIN
B	0.7mm +/-0.35mm

Packaging Specifications

Packaging	T&R, 330mm, Plastic Tape
Packaging Quantity	2000

Specifications

Capacitance	0.33 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	20%
Voltage DC	630 VDC
Dielectric Withstanding Voltage	945 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	303 MOhms

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