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General Information

Series	ArcShield SMD Comm X7R HV
Style	SMD Chip
Description	SMD, MLCC, ArcShield, High Voltage, Temperature Stable
Features	High Voltage, Temperature Stable
RoHS	No
Prop 65	WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov/
Termination	Lead (SnPb)
Marking	true
AEC-Q200	No
Typical Component Weight	78 mg
Miscellaneous	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life	78 Weeks
MSL	1

Dimensions

Chip Size	1808
L	4.7mm +/-0.5mm
W	2mm +/-0.2mm
T	1.4mm +/-0.15mm
S	2.9mm MIN
B	0.6mm +/-0.35mm

Packaging Specifications

Packaging	T&R, 330mm, Plastic Tape
Packaging Quantity	4000

Specifications

Capacitance	0.068 uF
Measurement Condition	1 kHz 1.0Vrms
Capacitance Tolerance	10%
Voltage DC	500 VDC
Dielectric Withstanding Voltage	750 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	1.4706 GOhms

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