

## C1808V223KDRACTU

Aliases (C1808V223KDRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.022 uF, 10%, 1,000 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 2.9 mm, 1808 / 4520



Click [here](#) for the 3D model.

### 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	Yes
Termination	Tin
Marking	No
AEC-Q200	No
Typical Component Weight	47 mg
Miscellaneous	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life	78 Weeks
MSL	1

### Dimensions

L	4.7mm +/-0.5mm
W	2mm +/-0.2mm
T	1mm +/-0.10mm
S	2.9mm MIN
B	0.6mm +/-0.35mm
Case Code (EIA / mm)	1808 / 4520

### Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	2500

### Specifications

Capacitance	0.022 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	1000 VDC
Dielectric Withstanding Voltage	1,200 VDC
Temperature Range	-55/+125°C
Temp. 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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