

## C1812W154KCRACTU

Aliases (C1812W154KCRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.15 uF, 10%, 500 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, 1812



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

General Information	
Series	ArcShield SMD Comm X7R HV
Style	SMD Chip
Description	SMD, MLCC, ArcShield, High Voltage
Features	High Voltage
RoHS	Yes
Termination	Flexible Termination
Marking	false
AEC-Q200	No
Typical Component Weight	95 mg
Miscellaneous	X7R dielectric is not recommended for AC line filtering or pulse applications.
Shelf Life	78 Weeks
MSL	1

Specifications	
Capacitance	0.15 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	666.7 MOhms

### Dimensions

Chip Size	1812
L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	1.3mm +/-0.10mm
S	2.3mm MIN
B	0.7mm +/-0.35mm

### Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	1000

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