

**KEMET Part Number: C1210W154KCRAC7800**  
(C1210W154KCRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.15 uF, 10%, 500 VDC, X7R, SMD, MLCC, Arcshield, High Voltage, 1210



Dimensions	
<b>L</b>	3.3mm +/-0.4mm
<b>W</b>	2.6mm +/-0.3mm
<b>T</b>	2.1mm +/-0.20mm
<b>B</b>	0.6mm +/-0.25mm

Packaging Specifications	
<b>Packaging:</b>	T&R, 180mm, Plastic Tape
<b>Packaging Quantity:</b>	2000

General Information	
<b>Series:</b>	ArcShield SMD Comm X7R HV
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MLCC, Arcshield, High Voltage
<b>Features:</b>	High Voltage
<b>RoHS:</b>	Yes
<b>Termination:</b>	Flexible Termination
<b>Marking:</b>	No
<b>AEC-Q200:</b>	No
<b>Miscellaneous:</b>	Note: Referee time for X7R dielectric for this part number is 1000 hours. X7R dielectric is not recommended for AC line filtering or pulse applications
<b>Chip Size:</b>	1210
<b>Shelf Life:</b>	78 Weeks
<b>MSL:</b>	1

Specifications	
<b>Capacitance:</b>	150000 pF, 1kHz 1.0Vrms
<b>Capacitance Tolerance:</b>	10%
<b>Voltage DC:</b>	500 VDC
<b>Dielectric Withstanding Voltage:</b>	750 VDC
<b>Temperature Range:</b>	-55/+125°C
<b>Temperature Coefficient:</b>	X7R
<b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b>	15%, 1kHz 1.0Vrms
<b>Dissipation Factor:</b>	2.50% 1kHz 1.0Vrms
<b>Aging Rate:</b>	3% Loss/Decade Hour
<b>Insulation Resistance:</b>	667 MOhms

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