

**KEMET Part Number: C1812W224KCRAC7800**  
(C1812W224KCRAC7800)

Ceramic, Anti-Arcing, ArcShieldFlexTerm-(CxxxxW), 0.22 uF, 10%, 500 V, 1812, X7R, SMD, MLCC, Arcshield, High Voltage



**Dimensions**

<b>L</b>	4.5mm +/-0.4mm
<b>W</b>	3.2mm +/-0.3mm
<b>T</b>	1.7mm +/-0.15mm
<b>B</b>	0.7mm +/-0.35mm

**Packaging Specifications**

<b>Packaging:</b>	T&R, 180mm, Plastic Tape
<b>Packaging Quantity:</b>	1000

**General Information**

<b>Style:</b>	SMD Chip
<b>Series:</b>	ArcShieldFlexTerm-(CxxxxW)
<b>Chip Size:</b>	1812
<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>Failure Rate:</b>	N/A
<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

**Specifications**

<b>Capacitance:</b>	0.22 uF
<b>Capacitance Tolerance:</b>	10%
<b>Voltage DC:</b>	500 VDC
<b>Dielectric Withstanding Voltage:</b>	750 V
<b>Temperature Range:</b>	-55/+125C
<b>Temperature Coefficient:</b>	X7R
<b>Dissipation Factor:</b>	2.5%
<b>Aging Rate:</b>	3% Loss/Decade Hour
<b>Insulation Resistance:</b>	455 MOhms