

**KEMET Part Number: C1206C225K3RECTU**  
(C1206C225K3REC7800)

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ESD SMD Comm X7R, Ceramic, 2.2 uF, 10%, 25 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II, 1206



**Dimensions**

Dimensions	
Chip Size	1206
L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
T	1.6mm +/-0.20mm
B	0.5mm +/-0.25mm

**Packaging Specifications**

Packaging Specifications	
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	2000

**General Information**

Series:	ESD SMD Comm X7R
Style:	SMD Chip
Description:	SMD, MLCC, Temperature Stable, Electro Static Discharge, Class II
Features:	Temperature Stable, Class II
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Component Weight:	41 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	2.2 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	25 VDC
ESD Level per AEC-Q200:	25,000 V ESD Level
Dielectric Withstanding Voltage:	62.5 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:	3.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	227.3 MOhms

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