

**KEMET Part Number: C1206F105K4RACTU**  
(C1206F105K4RAC7800)

SMD Comm X7R FO, Ceramic, 1 uF, 10%, 16 VDC, X7R, SMD, MLCC, Open Mode, Temperature Stable, 1206



**Dimensions**

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

**Packaging Specifications**

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

**General Information**

Series:	SMD Comm X7R FO
Style:	SMD Chip
Description:	SMD, MLCC, Open Mode, Temperature Stable
Features:	Open Mode, Temperature Stable
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Component Weight:	55 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	1 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	16 VDC
Dielectric Withstanding Voltage:	40 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:	500 MOhms