

KEMET Part Number: C2225C105KARACTU
(C2225C105KARAC7800)

SMD Comm X7R Tip-Ring, Ceramic, 1 uF, 10%, 250 VDC, X7R, SMD, MLCC, Temperature Stable, Tin Termination, 2225



Dimensions	
Chip Size	2225
L	5.6mm +/-0.4mm
W	6.4mm +/-0.4mm
T	1.4mm +/-0.15mm
B	0.6mm +/-0.35mm

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

General Information	
Series:	SMD Comm X7R Tip-Ring
Style:	SMD Chip
Description:	SMD, MLCC, Temperature Stable, Tin Termination
Features:	Tin Termination
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours.
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	1 uF
Measurement Condition:	1000000 pF, 1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	250 VDC
Dielectric Withstanding Voltage:	625 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
Insulation Resistance:	1 GOhms