

**KEMET Part Number: C0805X102KARACTU**  
(C0805X102KARAC7800)

SMD Comm X7R Tip-Ring, Ceramic, 1000 pF, 10%, 250 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, Tin Termination, 0805



Dimensions	
L	2mm +/-0.3mm
W	1.25mm +/-0.3mm
T	0.78mm +/-0.20mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

Packaging Specifications	
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	4000

General Information	
Supplier:	KEMET
Series:	SMD Comm X7R Tip-Ring
Style:	SMD Chip
Description:	SMD, MLCC, FT-CAP, Temperature Stable, Tin Termination
Features:	Tin Termination
RoHS:	Yes
Termination:	Flexible Termination
Marking:	No
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours
Chip Size:	0805

Specifications	
Capacitance:	1000 pF
Capacitance Tolerance:	10%
Voltage DC:	250 VDC
Dielectric Withstanding Voltage:	625 V
Temperature Range:	-55/+125C
Temperature Coefficient:	X7R
Dissipation Factor:	2.50% 1kHz 25C
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	100 GOhms