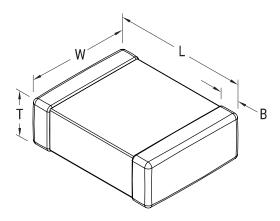
## **KEMET Part Number: C1825X105KARACTU**

(C1825X105KARAC7800)



SMD Comm X7R Tip-Ring, Ceramic, 1 uF, 10%, 250 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, Tin Termination, 1825



Dimensions		
Chip Size	1825	
L	4.6mm +/-0.4mm	
W	6.4mm +/-0.4mm	
Т	1.5mm +/-0.15mm	
В	0.7mm +/-0.35mm	

Packaging Specifications		
Weight:	240 mg	
Packaging:	T&R, 180mm, Plastic Tape	
Packaging Quantity:	1000	

General Information		
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	
AEC-Q200:	No	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications	
Capacitance:	1 uF
Measurement Condition:	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: Referee Time is 1000 Hours
Insulation Resistance:	1 GOhms

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

