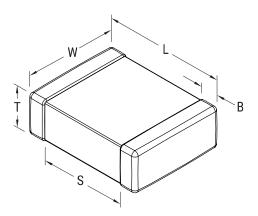
## **KEMET Part Number: C0805C105K4RALTM**

(C0805C105K4RAL7025)



SMD Comm X7R SnPb, Ceramic, 1 uF, 10%, 16 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 0805



Dimensions	
Chip Size	0805
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
Т	0.9mm +/-0.10mm
S	0.75mm MIN
В	0.5mm +/-0.25mm

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

General Information		
Series:	SMD Comm X7R SnPb	
Style:	SMD Chip	
Description:	SMD, MLCC, Temperature Stable, SnPb Termination	
Features:	SnPb Termination	
RoHS:	No	
Prop 65:	warning: Cancer and reproductive harm - www.p65warnings.ca.gov.	
SCIP Number:	afbb-4ad1d7a11dcb	
Termination:	Lead (SnPb)	
Marking:	Yes	
AEC-Q200:	No	
Component Weight:	13 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

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