## **KEMET Part Number: C1812C103KCRACTU**

(C1812C103KCRAC7800)



SMD Comm X7R HV, Ceramic, 0.01 uF, 10%, 500 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1812



Dimensions		
L	4.5mm +/-0.3mm	
W	3.2mm +/-0.3mm	
Т	1.4mm +/-0.15mm	
В	0.6mm +/-0.35mm	

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

General Information		
Series:	SMD Comm X7R HV	
Style:	SMD Chip	
Description:	SMD, MLCC, High Voltage, Temperature Stable	
Features:	High Voltage	
RoHS:	Yes	
Termination:	Tin	
Marking:	No	
AEC-Q200:	No	
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours	
Chip Size:	1812	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications		
Capacitance:	10000 pF, 1kHz 1.0Vrms	
Capacitance Tolerance:	10%	
Voltage DC:	500 VDC	
Dielectric Withstanding Voltage:	750 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:	2.50% 1kHz 1.0Vrms	
Aging Rate:	3% Loss/Decade Hour	
Insulation Resistance:	100 GOhms	

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