## **KEMET Part Number: C1812C473KDRACTU**

(C1812C473KDRAC7800)



SMD Comm X7R HV, Ceramic, 0.047 uF, 10%, 1000 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1812



Dimensions		
L	4.5mm +/-0.3mm	
W	3.2mm +/-0.3mm	
Т	1.1mm +/-0.10mm	
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:	47000 pF, 1kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	1000 VDC
Dielectric Withstanding Voltage:	1200 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:	2.128 GOhms

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