KEMET Part Number: C0805C100KBRACTU

(C0805C100KBRAC7800)



SMD Comm X7R HV, Ceramic, 10 pF, 10%, 630 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 0805



Dimensions		
Chip Size	0805	
L	2mm +/-0.2mm	
W	1.25mm +/-0.2mm	
Т	1.25mm +/-0.15mm	
S	0.75mm MIN	
В	0.5mm +/-0.25mm	

Packaging Specifications		
Packaging:	T&R, 180mm, Plastic Tape	
Packaging Quantity:	2500	

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.	
Shelf Life:	78 Weeks	
MSL:	1	

Specifications		
Capacitance:	10 pF	
Measurement Condition:	1 kHz 1.0Vrms	
Capacitance Tolerance:	10%	
Voltage DC:	630 VDC	
Dielectric Withstanding Voltage:	945 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% 1kHz 1.0Vrms	
Aging Rate:	3% Loss/Decade Hour	
Insulation Resistance:	100 GOhms	

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