

KEMET Part Number: C1210C823KBRACU
(C1210C823KBRAC7800)

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SMD Comm X7R HV, Ceramic, 0.082 uF, 10%, 630 VDC, X7R, SMD, MLCC, High Voltage, Temperature Stable, 1210



Dimensions

Chip Size		1210
L		3.2mm +/-0.2mm
W		2.5mm +/-0.2mm
T		2.1mm +/-0.20mm
B		0.5mm +/-0.25mm

Packaging Specifications

Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	2000

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
Component Weight:	105 mg
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	0.082 uF
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% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	1.2195 GOhms

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