

**KEMET Part Number: C1210C823KBRAC7800**  
(C1210C823KBRAC7800)

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



Dimensions	
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	
Supplier:	KEMET
Series:	SMD Comm X7R HV
Style:	SMD Chip
Description:	SMD, MLCC, High Voltage, Temperature Stable
Features:	High Voltage
RoHS:	Yes
Termination:	Tin
Marking:	No
Miscellaneous:	Note: Referee time for X7R dielectric for this part number is 1000 hours
Chip Size:	1210

Specifications	
Capacitance:	0.082 uF
Capacitance Tolerance:	10%
Voltage DC:	630 VDC
Dielectric Withstanding Voltage:	945 V
Temperature Range:	-55/+125C
Temperature Coefficient:	X7R
Dissipation Factor:	2.50% 1kHz 25C
Aging Rate:	3% Loss/Decade Hour
Insulation Resistance:	1.22 GOhms