

**KEMET Part Number: C1210C107M8PACTU**  
(C1210C107M8PAC7800)

SMD Comm X5R, Ceramic, 100 uF, 20%, 10 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 1210



**Dimensions**

Dimensions	
Chip Size	1210
L	3.2mm +/-0.3mm
W	2.5mm +/-0.3mm
T	2.5mm +/-0.30mm
B	0.5mm +0.4/-0.25mm

**Packaging Specifications**

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

**General Information**

Series:	SMD Comm X5R
Style:	SMD Chip
Description:	SMD, MLCC, Temperature Stable, Class II
Features:	Temperature Stable, Class II
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Component Weight:	135 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	100 uF
Measurement Condition:	120 Hz 0.5Vrms
Capacitance Tolerance:	20%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 VDC
Temperature Range:	-55/+85°C
Temperature Coefficient:	X5R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 120Hz 0.5Vrms
Dissipation Factor:	10% 120 Hz 0.5Vrms
Aging Rate:	5% Loss/Decade Hour: Referee Time is 48 Hours
Insulation Resistance:	1 MOhms