


KEMET Part Number: C1210X825K3RALTU
(C1210X825K3RAL7800)

SMD Comm X7R Flex, Ceramic, 8.2 uF, 10%, 25 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 1210



Dimensions	
Chip Size	1210
L	3.3mm +/-0.4mm
W	2.6mm +/-0.3mm
T	2.1mm +/-0.20mm
B	0.6mm +/-0.25mm

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

General Information	
Series:	SMD Comm X7R Flex
Style:	SMD Chip
Description:	SMD, MLCC, FT-CAP, Temperature Stable
Features:	FT-CAP, Temperature Stable
RoHS:	No
Prop 65:	 WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov .
Termination:	Flexible Termination With Lead (SnPb)
Marking:	No
AEC-Q200:	No
Component Weight:	105 mg
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	8.2 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	25 VDC
Dielectric Withstanding Voltage:	62.5 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:	3.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	61 MOhms

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