

## C1210T825K3RCLTU

Aliases (C1210T825K3RCL7800)

SMD COTS X7R, Ceramic, 8.2 uF, 10%, 25 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 1210



Click here for the 3D model.

Dimensions	
Chip Size	1210
L	3.2mm +/-0.3mm
W	2.5mm +/-0.22mm
Т	2.1mm +/-0.20mm
В	0.5mm +/-0.25mm

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

General Informatio	n
Series	SMD COTS X7R
Style	SMD Chip
Description	SMD, MLCC, COTS, Temperature Stable, Class II
Features	Temperature Stable, Class II
RoHS	No
Prop 65	▲ WARNING: Cancer and reproductive harm - http://www.p65warnings.ca.gov.
SCIP Number	2d771165-5336-48a3-96fa-3663929fd828
Termination	Lead (SnPb)
Marking	No
Failure Rate	Testing per MIL-PRF-55681 PDA 8%, DPA per EIA- 469, Humidity per MIL-STD-202, Method 103, Condition A
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 1.0 Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	61 MOhms

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