

**KEMET Part Number: C1210T685K4RALTU**  
(C1210T685K4RAL7800)



SMD COTS X7R, Ceramic, 6.8 uF, 10%, 16 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 1210



Dimensions	
Chip Size	1210
L	3.2mm +/-0.3mm
W	2.5mm +/-0.22mm
T	1.25mm +/-0.15mm
B	0.5mm +/-0.25mm

Packaging Specifications	
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	2500

General Information	
Series:	SMD COTS X7R
Style:	SMD Chip
Description:	SMD, MLCC, COTS, Temperature Stable, Class II
Features:	Temperature Stable, Class II
RoHS:	No
Prop 65:	<b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> .
Termination:	Lead (SnPb)
Marking:	No
Failure Rate:	Testing per MIL-PRF-55681 PDA 8%
AEC-Q200:	No
Component Weight:	65 mg
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	6.8 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	16 VDC
Dielectric Withstanding Voltage:	40 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:	73.5 MOhms

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