

KEMET Part Number: C1206C685K4PACTU
(C1206C685K4PAC7800)

SMD Comm X5R, Ceramic, 6.8 uF, 10%, 16 VDC, X5R, SMD, MLCC, Temperature Stable, Class II, 1206



Dimensions

Dimensions	
Chip Size	1206
L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
T	1.6mm +/-0.20mm
B	0.5mm +/-0.25mm

Packaging Specifications

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

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:	41 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/+85°C
Temperature Coefficient:	X5R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	15%, 1kHz 1.0Vrms
Dissipation Factor:	10% 1 kHz 1.0Vrms
Aging Rate:	5% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	14.7 MOhms