

**KEMET Part Number: C0603C681K1RALTU**  
(C0603C681K1RAL7867)

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SMD Comm X7R SnPb, Ceramic, 680 pF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, SnPb Termination, 0603



Dimensions	
Chip Size	0603
L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.07mm
S	0.7mm MIN
B	0.35mm +/-0.15mm

Packaging Specifications	
Packaging:	T&R, 180mm, Paper Tape
Packaging Quantity:	4000

General Information	
Series:	SMD Comm X7R SnPb
Style:	SMD Chip
Description:	SMD, MLCC, Temperature Stable, SnPb Termination
Features:	SnPb Termination
RoHS:	No
Prop 65:	 <b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> .
SCIP Number:	5549986b-60cf-4a2a-afbb-4ad1d7a11dcb
Termination:	Lead (SnPb)
Marking:	No
AEC-Q200:	No
Component Weight:	4800 ug
Shelf Life:	78 Weeks
MSL:	1

Specifications	
Capacitance:	680 pF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	100 VDC
Dielectric Withstanding Voltage:	250 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:	2.5% 1 kHz 1.0Vrms
Aging Rate:	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance:	100 GOhms

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