

## C0603X682K5RALTU

Aliases (C0603X682K5RAL7867)

SMD Comm X7R Flex, Ceramic, 6,800 pF, 10%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0.4 mm, 0603 / 1608



Click [here](#) for the 3D model.

### 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	<b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>
Termination	Flexible Termination With Lead (SnPb)
Marking	No
Typical Component Weight	7.3 mg
Shelf Life	78 Weeks
MSL	1

### Dimensions

L	1.6mm +/-0.17mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.15mm
S	0.4mm MIN
B	0.45mm +/-0.15mm
Case Code (EIA / mm)	0603 / 1608

### Packaging Specifications

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

### Specifications

Capacitance	6,800 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	50 VDC
Dielectric Withstanding Voltage	125 VDC
Temperature Range	-55/+125°C
Temp. 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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