

## C0603F682M8RACTU

Aliases (C0603F682M8RAC7867)

SMD Comm X7R FO, Ceramic, 6,800 pF, 20%, 10 VDC, X7R, SMD, MLCC, Open Mode, Temperature Stable, 0603 / 1608



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

### General Information

Series	SMD Comm X7R FO
Style	SMD Chip
Description	SMD, MLCC, Open Mode, Temperature Stable
Features	Open Mode, Temperature Stable
RoHS	Yes
Termination	Tin
Marking	No
Typical Component Weight	7.3 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	6,800 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	20%
Voltage DC	10 VDC
Dielectric Withstanding Voltage	25 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	X7R
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	15%
Dissipation Factor	5% 1 kHz 1.0Vrms
Aging Rate	3% Loss/Decade Hour: Referee Time is 1000 Hours
Insulation Resistance	100 GOhms

### Dimensions

L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.15mm
S	0.5mm MIN
B	0.35mm +/-0.15mm
Case Code (EIA / mm)	0603 / 1608

### Packaging Specifications

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

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