

## C0603S103K8RACTU

Aliases (C0603S103K8RAC7867)

SMD Comm X7R FE, Ceramic, 0.01 uF, 10%, 10 VDC, X7R, SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable, 0.5 mm, 0603 / 1608



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

### General Information

Series	SMD Comm X7R FE
Style	SMD Chip
Description	SMD, MLCC, FE-CAP, Floating Electrode, Temperature Stable
Features	FE-CAP, Floating Electrode, Temperature Stable
RoHS	Yes
Termination	Tin
Marking	No
Typical Component Weight	4.8 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	0.01 uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
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%, 1kHz 1.0Vrms
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 +/-0.07mm
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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