

## C0603C105Z8VACTU

Aliases (C0603C105Z8VAC7867)

SMD Comm Y5V, Ceramic, 1uF, -20/+80%, 10 VDC, Y5V, SMD, MLCC, General Purpose, Class III, 0.5 mm, 0603 / 1608



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

### General Information

Series	SMD Comm Y5V
Style	SMD Chip
Description	SMD, MLCC, General Purpose, Class III
Features	Class III
RoHS	Yes
Termination	Tin
Marking	No
Typical Component Weight	6.5 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	1uF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	-20/+80%
Voltage DC	10 VDC
Dielectric Withstanding Voltage	25 VDC
Temperature Range	-30/+85°C
Temp. Coefficient	Y5V
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	+22%/-82%, 1kHz 1.0Vrms
Dissipation Factor	10% 1 kHz 1.0Vrms
Aging Rate	7% Loss/Decade Hour: Referee Time is 48 Hours
Insulation Resistance	50 MOhms

### Dimensions

L	1.6mm +/-0.15mm
W	0.8mm +/-0.15mm
T	0.8mm +/-0.10mm
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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