

KEMET Part Number: C0603C105Z8VACTU
(C0603C105Z8VAC7867)

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



Dimensions

Chip Size		0603
L		1.6mm +/-0.15mm
W		0.8mm +/-0.15mm
T		0.8mm +/-0.10mm
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 Y5V
Style:	SMD Chip
Description:	SMD, MLCC, General Purpose, Class III
Features:	Class III
RoHS:	Yes
Termination:	Tin
Marking:	No
AEC-Q200:	No
Component Weight:	6500 ug
Shelf Life:	78 Weeks
MSL:	1

Specifications

Capacitance:	1 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	-20/+80%
Voltage DC:	10 VDC
Dielectric Withstanding Voltage:	25 VDC
Temperature Range:	-30/+85°C
Temperature 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