

**KEMET Part Number: C0805C105Z5VACTU**  
(C0805C105Z5VAC7800)

Ceramic, Commercial-(CxxxxC), 1 uF, -20/+80%, 50 V, 0805, Y5V, SMD, MLCC, General Purpose, Class III



**Dimensions**

Dimension	Value
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	1.25mm +/-0.15mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

**Packaging Specifications**

<b>Packaging:</b>	T&R, 180mm, Plastic Tape
<b>Packaging Quantity:</b>	2500

**General Information**

<b>Style:</b>	SMD Chip
<b>Series:</b>	Commercial-(CxxxxC)
<b>Chip Size:</b>	0805
<b>Description:</b>	SMD, MLCC, General Purpose, Class III
<b>Features:</b>	Class III
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Marking:</b>	No
<b>Failure Rate:</b>	N/A
<b>Miscellaneous:</b>	Note: Referee time for Y5V dielectric for this part number is 48 hours

**Specifications**

<b>Capacitance:</b>	1 uF
<b>Capacitance Tolerance:</b>	-20/+80%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 V
<b>Temperature Range:</b>	-30/+85C
<b>Temperature Coefficient:</b>	Y5V
<b>Dissipation Factor:</b>	5%
<b>Aging Rate:</b>	7% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 MOhms