

**KEMET Part Number: C0805C225Z4VACTU**  
(C0805C225Z4VAC7800)

SMD Comm Y5V, Ceramic, 2.2 uF, -20/+80%, 16 VDC, Y5V, SMD, MLCC, General Purpose, Class III, 0805



**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>Supplier:</b>	KEMET
<b>Series:</b>	SMD Comm Y5V
<b>Style:</b>	SMD Chip
<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>Miscellaneous:</b>	Note: Referee time for Y5V dielectric for this part number is 48 hours
<b>Chip Size:</b>	0805
<b>Shelf Life:</b>	78 Weeks
<b>MSL:</b>	1

**Specifications**

<b>Capacitance:</b>	2.2 uF
<b>Capacitance Tolerance:</b>	-20/+80%
<b>Voltage DC:</b>	16 VDC
<b>Dielectric Withstanding Voltage:</b>	40 VDC
<b>Temperature Range:</b>	-30/+85C
<b>Temperature Coefficient:</b>	Y5V
<b>Dissipation Factor:</b>	7.00% 120Hz 25C
<b>Aging Rate:</b>	7% Loss/Decade Hour
<b>Insulation Resistance:</b>	45 MOhms