

**KEMET Part Number: C0805C223M5UACTM**  
(C0805C223M5UAC7025)

SMD Comm Z5U, Ceramic, 0.022 uF, 20%, 50 VDC, Z5U, SMD, MLCC, General Purpose, Class III, 0805



**Dimensions**

Chip Size	0805
L	2mm +/-0.2mm
W	1.25mm +/-0.2mm
T	0.78mm +/-0.10mm
S	0.75mm MIN
B	0.5mm +/-0.25mm

**Packaging Specifications**

<b>Packaging:</b>	T&R, 180mm, Paper Tape
<b>Packaging Quantity:</b>	4000

**General Information**

<b>Series:</b>	SMD Comm Z5U
<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>	Yes
<b>AEC-Q200:</b>	No
<b>Miscellaneous:</b>	Note: KEMET 50V rated parts may be operated at 63 Volts.
<b>Shelf Life:</b>	78 Weeks
<b>MSL:</b>	1

**Specifications**

<b>Capacitance:</b>	0.022 uF
<b>Measurement Condition:</b>	1 kHz 1.0Vrms
<b>Capacitance Tolerance:</b>	20%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 VDC
<b>Temperature Range:</b>	+10/+85°C
<b>Temperature Coefficient:</b>	Z5U
<b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b>	+22%/-56%, 1kHz 1.0Vrms
<b>Dissipation Factor:</b>	4% 1 kHz 1.0Vrms
<b>Aging Rate:</b>	7% Loss/Decade Hour: Referee Time is 1000 Hours
<b>Insulation Resistance:</b>	4.545 GOhms