

**KEMET Part Number: C1812C105M5UACTU**  
(C1812C105M5UAC7800)

SMD Comm Z5U, Ceramic, 1 uF, 20%, 50 VDC, Z5U, SMD, MLCC, General Purpose, Class III, 1812



**Dimensions**

<b>L</b>	4.5mm +/-0.3mm
<b>W</b>	3.2mm +/-0.3mm
<b>T</b>	1.3mm +/-0.10mm
<b>B</b>	0.6mm +/-0.35mm

**Packaging Specifications**

<b>Packaging:</b>	T&R, 180mm, Plastic Tape
<b>Packaging Quantity:</b>	1000

**General Information**

<b>Supplier:</b>	KEMET
<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>	No
<b>Miscellaneous:</b>	Note: Referee time for Z5U dielectric for this part number is 1000 hours
<b>Chip Size:</b>	1812
<b>Shelf Life:</b>	78 Weeks
<b>MSL:</b>	1

**Specifications**

<b>Capacitance:</b>	1 uF
<b>Capacitance Tolerance:</b>	20%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 V
<b>Temperature Range:</b>	+10/+85C
<b>Temperature Coefficient:</b>	Z5U
<b>Dissipation Factor:</b>	4.00% 1kHz 25C
<b>Aging Rate:</b>	7% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 MOhms