

**KEMET Part Number: C0603X512J5JACTU**  
(C0603X512J5JAC7867)

SMD Comm U2J Flex, Ceramic, 5100 pF, 5%, 50 VDC, U2J, SMD, MLCC, FT-CAP, Ultra-Stable, 0603



**Dimensions**

Dimensions	
<b>L</b>	1.6mm +/-0.17mm
<b>W</b>	0.8mm +/-0.15mm
<b>T</b>	0.8mm +/-0.07mm
<b>S</b>	0.58mm MIN
<b>B</b>	0.45mm +/-0.15mm

**Packaging Specifications**

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

**General Information**

<b>Supplier:</b>	KEMET
<b>Series:</b>	SMD Comm U2J Flex
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MLCC, FT-CAP, Ultra-Stable
<b>Features:</b>	FT-CAP, Ultra-Stable
<b>RoHS:</b>	Yes
<b>Termination:</b>	Flexible Termination
<b>Marking:</b>	No
<b>Miscellaneous:</b>	Note: Referee time for U2J dielectric for this part number is 1000 hours
<b>Chip Size:</b>	0603

**Specifications**

<b>Capacitance:</b>	5100 pF
<b>Capacitance Tolerance:</b>	5%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 VDC
<b>Temperature Range:</b>	-55/+125C
<b>Temperature Coefficient:</b>	U2J
<b>Dissipation Factor:</b>	0.10% 1kHz 25C
<b>Aging Rate:</b>	0.1% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 GOhms