

**KEMET Part Number: C1210X822J5GACTU**  
(C1210X822J5GAC7800)

**KEMET**

a YAGEO company

SMD Comm COG Flex, Ceramic, 8200 pF, 5%, 50 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 1210



**Dimensions**

Chip Size	1210
L	3.3mm +/-0.4mm
W	2.6mm +/-0.3mm
T	0.9mm +/-0.20mm
B	0.6mm +/-0.25mm

**Packaging Specifications**

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

**General Information**

<b>Series:</b>	SMD Comm COG 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>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>	8200 pF
<b>Measurement Condition:</b>	1 kHz 1.0Vrms
<b>Capacitance Tolerance:</b>	5%
<b>Voltage DC:</b>	50 VDC
<b>Dielectric Withstanding Voltage:</b>	125 VDC
<b>Temperature Range:</b>	-55/+125°C
<b>Temperature Coefficient:</b>	COG
<b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b>	30 ppm/C, 1kHz 1.0Vrms
<b>Dissipation Factor:</b>	0.1% 1kHz 1.0Vrms
<b>Aging Rate:</b>	0% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 GOhms

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