

**KEMET Part Number: C1812X224J5GACTU**  
(C1812X224J5GAC7800)

SMD Comm C0G Flex, Ceramic, 0.22 uF, 5%, 50 VDC, C0G, SMD, MLCC, FT-CAP, Ultra-Stable, 1812



**Dimensions**

Chip Size	1812
L	4.5mm +/-0.4mm
W	3.2mm +/-0.3mm
T	1.6mm +/-0.20mm
B	0.7mm +/-0.35mm

**Packaging Specifications**

Weight:	87 mg
Packaging:	T&R, 180mm, Plastic Tape
Packaging Quantity:	1000

**General Information**

Series:	SMD Comm C0G Flex
Style:	SMD Chip
Description:	SMD, MLCC, FT-CAP, Ultra-Stable
Features:	FT-CAP, Ultra-Stable
RoHS:	Yes
Termination:	Flexible Termination
Marking:	No
AEC-Q200:	No
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	0.22 uF
Measurement Condition:	1 kHz 1.0Vrms
Capacitance Tolerance:	5%
Voltage DC:	50 VDC
Dielectric Withstanding Voltage:	125 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	C0G
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor:	0.1% 1 kHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	4.5455 GOhms