

**KEMET Part Number: C1808C220JHGA**  
**CTU**  
 (C1808C220JHGAC7800)

**KEMET**

a YAGEO company

SMD Comm COG HV, Ceramic, 22 pF, 5%, 3000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1808



**Dimensions**

Dimensions	
Chip Size	1808
L	4.7mm +/-0.5mm
W	2mm +/-0.2mm
T	1.6mm +/-0.15mm
B	0.6mm +/-0.35mm

**Packaging Specifications**

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

**General Information**

<b>Series:</b>	SMD Comm COG HV
<b>Style:</b>	SMD Chip
<b>Description:</b>	SMD, MLCC, Ultra-Stable, Low Loss, Class I
<b>Features:</b>	Ultra-Stable, Low Loss, Class I
<b>RoHS:</b>	Yes
<b>Termination:</b>	Tin
<b>Marking:</b>	No
<b>AEC-Q200:</b>	No
<b>Component Weight:</b>	81 mg
<b>Shelf Life:</b>	78 Weeks
<b>MSL:</b>	1

**Specifications**

<b>Capacitance:</b>	22 pF
<b>Measurement Condition:</b>	1 MHz 1.0Vrms
<b>Capacitance Tolerance:</b>	5%
<b>Voltage DC:</b>	3000 VDC
<b>Dielectric Withstanding Voltage:</b>	3600 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, 1MHz 1.0Vrms
<b>Dissipation Factor:</b>	0.1% 1 MHz 1.0Vrms
<b>Aging Rate:</b>	0% Loss/Decade Hour
<b>Insulation Resistance:</b>	100 GOhms

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