

**KEMET Part Number: C1808C470KHGACTU**  
(C1808C470KHGAC7800)



SMD Comm COG HV, Ceramic, 47 pF, 10%, 3000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1808



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

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

Specifications	
Capacitance:	47 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	10%
Voltage DC:	3000 VDC
Dielectric Withstanding Voltage:	3600 VDC
Temperature Range:	-55/+125°C
Temperature Coefficient:	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):	30 ppm/C, 1MHz 1.0Vrms
Dissipation Factor:	0.1% 1 MHz 1.0Vrms
Aging Rate:	0% Loss/Decade Hour
Insulation Resistance:	100 GOhms

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