

**KEMET Part Number: C1825C102JZGACTU**  
(C1825C102JZGAC7800)

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SMD Comm COG HV, Ceramic, 1000 pF, 5%, 2500 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1825



**Dimensions**

Dimensions	
Chip Size	1825
L	4.5mm +/-0.3mm
W	6.4mm +/-0.4mm
T	1.6mm +/-0.20mm
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:	230 mg
Shelf Life:	78 Weeks
MSL:	1

**Specifications**

Capacitance:	1000 pF
Measurement Condition:	1 MHz 1.0Vrms
Capacitance Tolerance:	5%
Voltage DC:	2500 VDC
Dielectric Withstanding Voltage:	3000 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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