

## C1808C682KCGACTU

Aliases (C1808C682KCGAC7800)

SMD Comm COG HV, Ceramic, 6,800 pF, 10%, 500 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1808, 2.9 mm



Click [here](#) for the 3D model.

### 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
Typical Component Weight	81 mg
Shelf Life	78 Weeks
MSL	1

### Dimensions

Chip Size	1808
L	4.7mm +/-0.5mm
W	2mm +/-0.2mm
T	2mm +/-0.15mm
S	2.9mm MIN
B	0.6mm +/-0.35mm

### Packaging Specifications

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

### Specifications

Capacitance	6,800 pF
Measurement Condition	1 kHz 1.0Vrms
Tolerance	10%
Voltage DC	500 VDC
Dielectric Withstanding Voltage	750 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1kHz 1.0Vrms
Dissipation Factor	0.1% 1kHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 GOhms

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