

# C1206T681K2GCLTU

Aliases (C1206T681K2GCL7800)

SMD COTS COG, Ceramic, 680 pF, 10%, 200 VDC, COG, SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I, 1.5 mm, 1206 / 3216



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

## General Information

Series	SMD COTS COG
Style	SMD Chip
Description	SMD, MLCC, COTS, Ultra-Stable, Low Loss, Class I
Features	Ultra-Stable, Low Loss, Class I
RoHS	No
Prop 65	<b>WARNING:</b> Cancer and reproductive harm - <a href="https://www.p65warnings.ca.gov/">https://www.p65warnings.ca.gov/</a>
SCIP Number	2d771165-5336-48a3-96fa-3663929fd828
Termination	Lead (SnPb)
Marking	No
Failure Rate	Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469, Humidity per MIL-STD-202, Method 103, Condition A
Typical Component Weight	15 mg
Shelf Life	78 Weeks
MSL	1

## Dimensions

L	3.2mm +/-0.2mm
W	1.6mm +/-0.2mm
T	0.78mm +/-0.10mm
S	1.5mm MIN
B	0.5mm +/-0.25mm
Case Code (EIA / mm)	1206 / 3216

## Packaging Specifications

Packaging	T&R, 180mm, Plastic Tape
Packaging Quantity	4000

## Specifications

Capacitance	680 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	10%
Voltage DC	200 VDC
Dielectric Withstanding Voltage	500 VDC
Temperature Range	-55/+125°C
Temp. Coefficient	COG
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	30 ppm/C, 1MegaHz 1.0Vrms
Dissipation Factor	0.1% 1 MHz 1.0Vrms
Aging Rate	0% Loss/Decade Hour
Insulation Resistance	100 GOhms

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