

## C1808C101JDGACTU

Aliases (C1808C101JDGAC7800)

SMD Comm COG HV, Ceramic, 100 pF, 5%, 1,000 VDC, COG, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 2.9 mm, 1808 / 4520



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
Typical Component Weight	81 mg
Shelf Life	78 Weeks
MSL	1

### Specifications

Capacitance	100 pF
Measurement Condition	1 MHz 1.0Vrms
Tolerance	5%
Voltage DC	1000 VDC
Dielectric Withstanding Voltage	1,200 VDC
Temperature Range	-55/+125°C
Temp. 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

### Dimensions

L	4.7mm +/-0.5mm
W	2mm +/-0.2mm
T	1.6mm +/-0.15mm
S	2.9mm MIN
B	0.6mm +/-0.35mm
Case Code (EIA / mm)	1808 / 4520

### Packaging Specifications

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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.