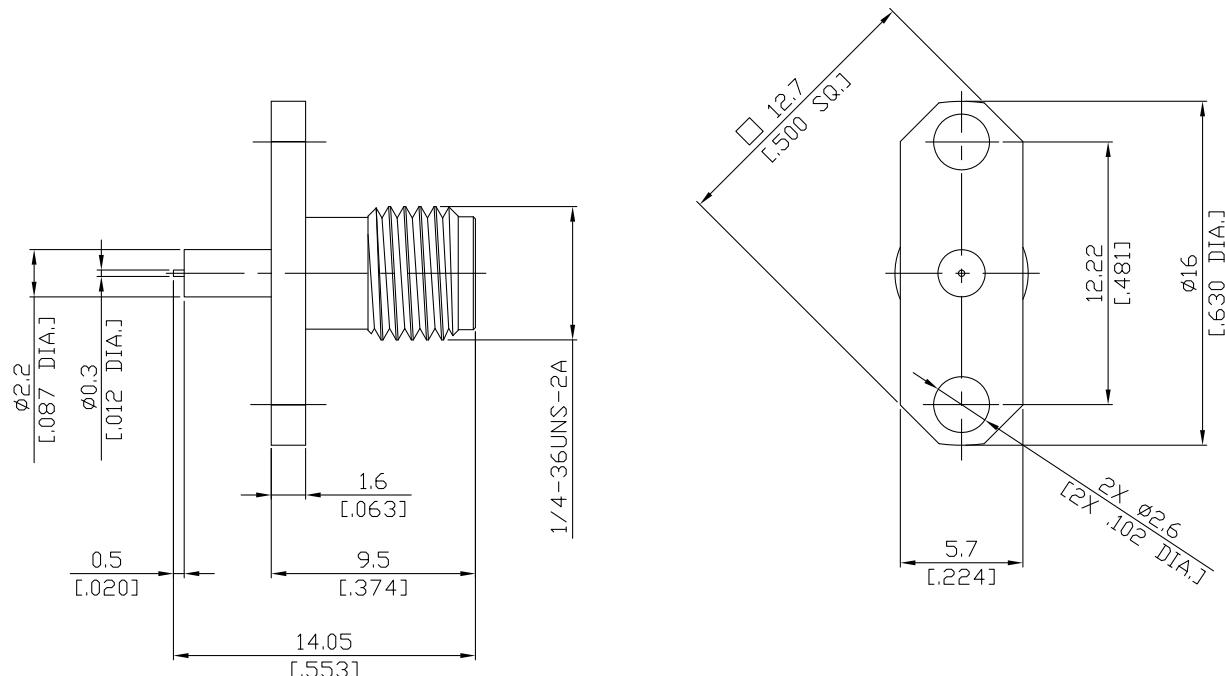


SMA Jack (Female) Connector Solder Attachment 2 Hole Flange Mount  
Stub Terminal, 12.22mm (.481 inch) Hole Spacing DC-18GHz VSWR1.30

## SMA2GTA50-1405A / 91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-15; MIL-STD-348B/310

### Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.30 (≥ 17.7 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3 mΩ

Outer Contact Resistance

≤ 2 mΩ

Test Voltage

1000 V rms

Working Voltage (at sea level)

480 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0)

≤ 200 W @ 2 GHz

### Material And Plating

#### Piece Parts

#### Material

#### Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch  
(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body

Brass

Gold plating, 3 µinch  
(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Insulator

PTFE

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:

JUL/16/2021

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N-CAGE Code: SFKK0 / ISO9001 Certified

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## Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	$\geq 500$
Centre Contact	Soldered
Terminal Type	Stub
Captivated Type	Mechanical
Center Contact	$\geq 27 \text{ N}$
Captivation: axial	$\geq 3 \text{ Ncm}$
radial	max. 1.7 Nm
Coupling Test Torque	0.8 Nm to 1.1 Nm
Recommended Torque	

### Environmental Data

Environmental Test	Test Standard
Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond.D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

## Packing

Single or 100