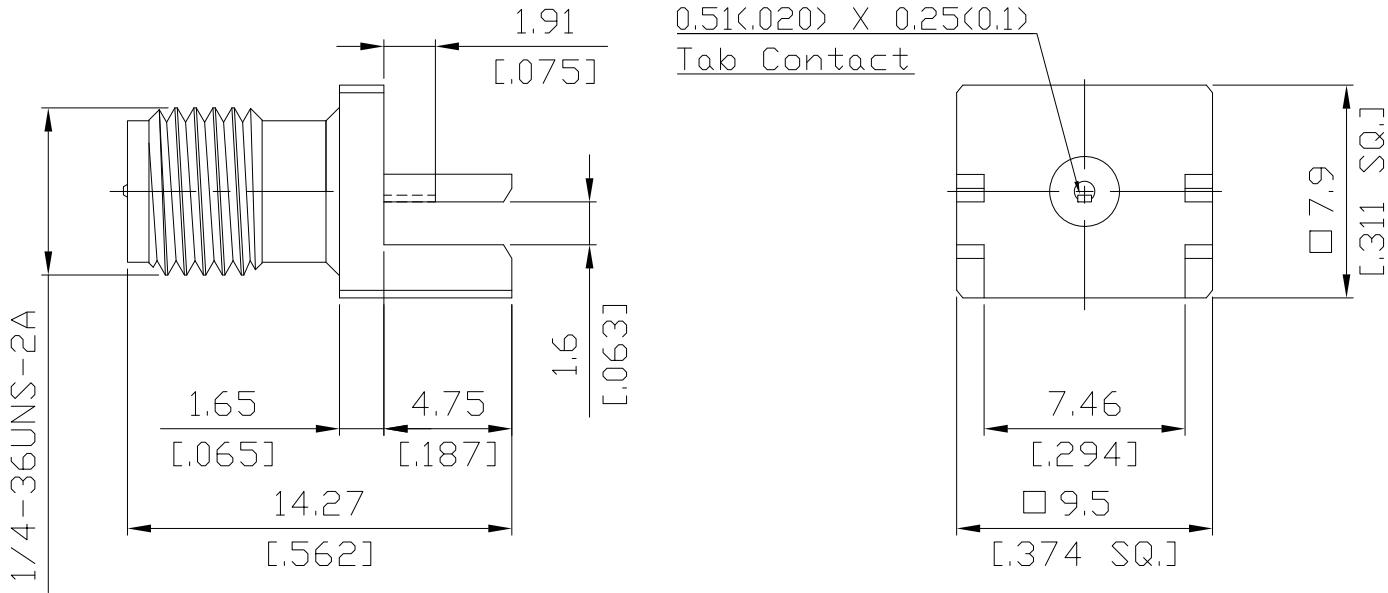


**SMA Jack (female) Reverse Polarity Connector Solder Attachment  
Stub Terminal Teflon Design PCB End Launch Straight, DC- 18 GHz**
**SMA7H2A50-0160A / 91**


All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

Compliant with

Derived from

Rosnol SMA Reverse

FCC standard (part 15, section 15.203)

IEC 61169-15, EN 122110, MIL-PRF-39012

### Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤1.20 (≥20.83 dB) DC to 6GHz

≤1.30 (≥17.69 dB) 6 to 18GHz

Insertion loss

≤ 0.03 x √f (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ

Outer contact resistance

≤ 2 mΩ

Test voltage

1000 V rms

Working voltage

480 V rms

Power handling

≤ 200 W @ 2 GHz

≤ 100 W @ 10 GHz

RF-leakage

≥ 100 dB up to 1 GHz

### Material And Plating

#### Connector 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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# SMA Jack (female) Reverse Polarity Connector Solder Attachment Stub Terminal Teflon Design PCB End Launch Straight, DC- 18 GHz

SMA7H2A50-0160A / 91

## Mechanical Data

Environmental Data

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