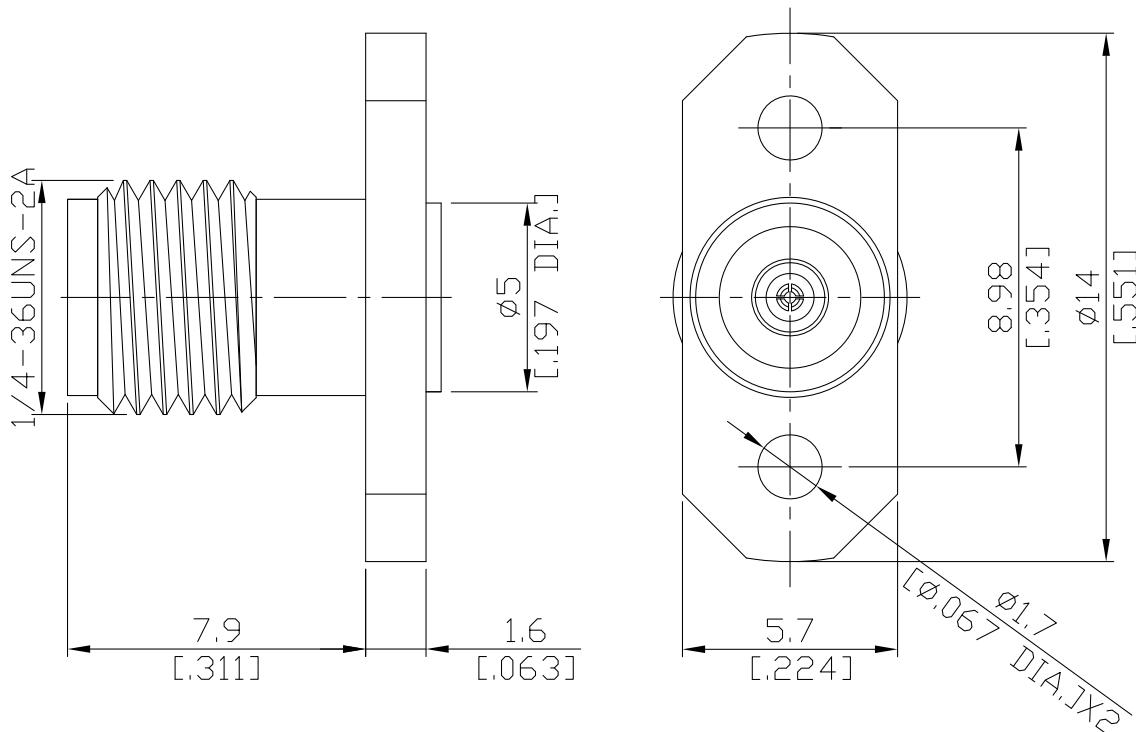


SMA Jack (female) Connector 2 Straight Field Replaceable  
8.98mm (.354 inch) Hole Spacing DC-18GHz VSWR1.25

## SMA2BT50-0015B / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 60169-15; MIL-STD-348B/310

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.25 ( $\geq 19.1$  dB)

Insertion Loss

≤  $0.04 \times \sqrt{f}$  (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.0 mΩ

Test Voltage

1000 V rms

Working voltage

480 V rms

Power handling

≤ 200 W @ 2 GHz

RF-leakage

≥ 100 dB up to 1 GHz

**Material And Plating****Piece Parts****Material****Plating**

Centre contact

Beryllium Copper

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

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## SMA2BT50-0015B / 9X

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 Nm to 1.1 Nm

### 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