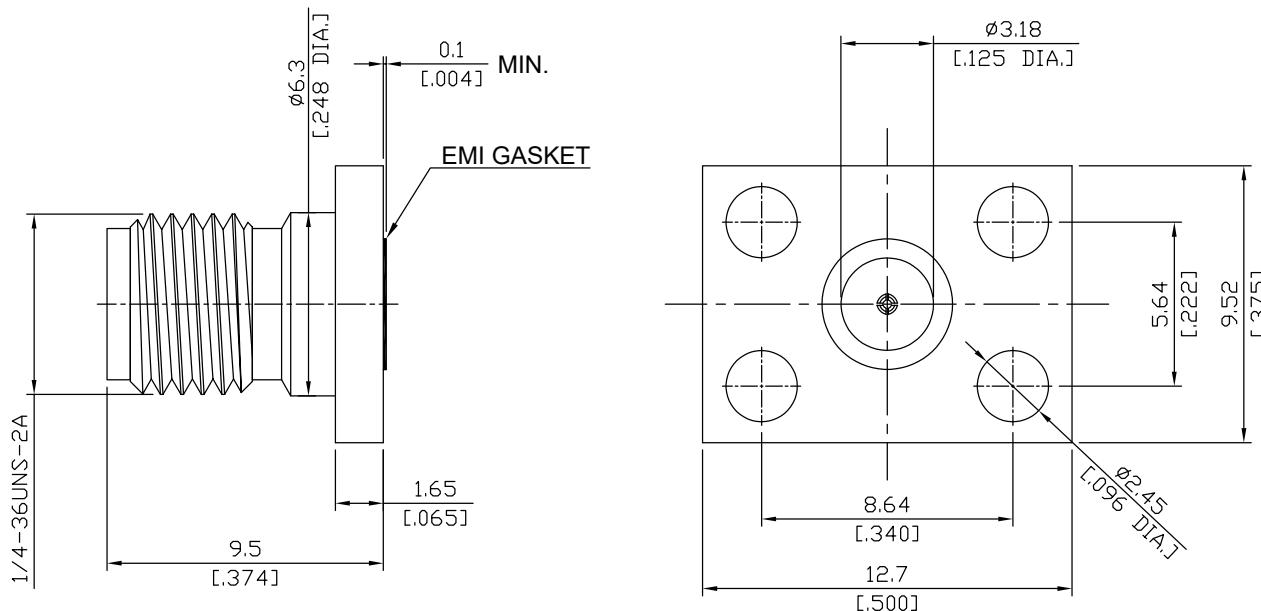


**SMA Jack (female) Connector 4 Straight Field Replaceable  
8.64mm (.340 inch) Hole Spacing DC-26.5GHz**

**SMA2BF50-0015C / 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 26.5 GHz

Insertion Loss

$\leq 0.05 \times \sqrt{f} \text{ (GHz)} \text{ dB}$

Insulation Resistance

$\geq 5 \text{ G}\Omega$

Center Contact Resistance

$\leq 3.0 \text{ m}\Omega$

Outer Contact Resistance

$\leq 2.0 \text{ m}\Omega$

Test Voltage

1000 V rms

Working voltage

480 V rms

Power handling

$\leq 200 \text{ W} @ 2 \text{ GHz}$

RF-leakage

$\geq 100 \text{ dB up to 1 GHz}$

#### Material And Plating

##### Piece Parts

##### Material

##### Plating

Centre contact

Beryllium Copper

Gold plating, 3 pinch

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

Body

Stainless Steel

Passivated

Insulator

PTFE

**SMA Jack (female) Connector 4 Straight Field Replaceable  
8.64mm (.340 inch) Hole Spacing DC-26.5GHz**

**SMA2BF50-0015C / 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