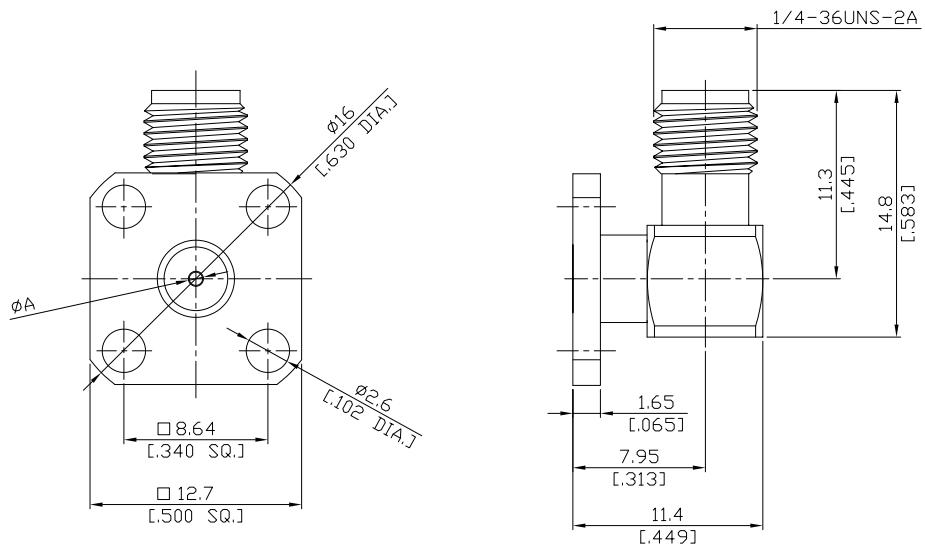


## SMA (Female) Right Angle 4-Hole Field Replaceable Jack

Accepts .036 Pin, DC-18 GHz

### SMA2BF59-0036A / 9Q

P/N	ØA mm [inch]
SMA2BF59-0036A/9Q	0.91 [.036]
SMA2BF59-0020A/9Q	0.51 [.020]
SMA2BF59-0018A/9Q	0.46 [.018]
SMA2BF59-0015A/9Q	0.38 [.015]
SMA2BF59-0012A/9Q	0.30 [.012]
SMA2BF59-0009A/9Q	0.23 [.009]



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)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 2.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Test Voltage (at sea level)	1000 V rms
Working Voltage (at sea level)	400 V rms

#### 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	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Gasket	Silicone Rubber	

**SMA (Female) Right Angle 4-Hole Field Replaceable Jack**  
**Accepts .036 Pin, DC-18 GHz**

**SMA2BF59-0036A / 9Q**

**Mechanical Data**

Coupling Mechanisms	Screw-lock
Mating Cycles	≥ 1000
Center Contact Captivation	≥ 27 N
Engagement Force	≤ 13.5 N
Disengagement Force	≥ 2.0 N

**Environmental Data**

Temperature Range	-65 °C to +165 °C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion Resistance	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
Max. Soldering Temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

**Packing**

Single or 100