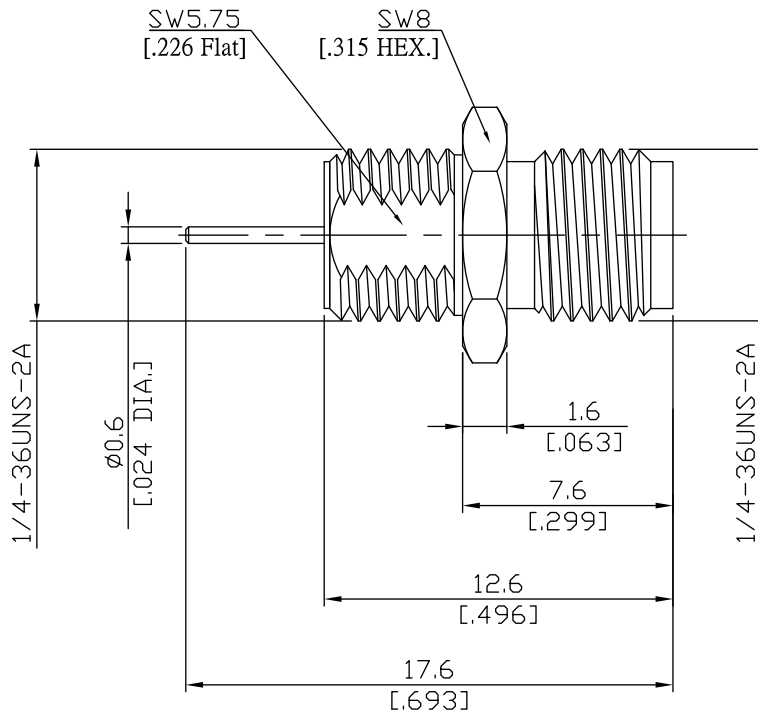


SMA jack (female) Straight Bulkhead Connector  
Solder Attachment, Stub Terminal DC- 18 GHz VSWR 1.25

**SMA2FA50-1760A / 91**



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 (≥ 19.1 dB)
Insertion Loss	≤ 0.05 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
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	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	

SMA jack (female) Straight Bulkhead Connector  
Solder Attachment, Stub Terminal DC- 18 GHz VSWR 1.25

# SMA2FA50-1760A / 91

## Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivation	Mechanical
Centre Contact	Soldered
Terminal Type	Stub
Center contact captivation: axial	≥ 27 N
Coupling test torque	max. 0.6 Nm
Recommended torque	0.5 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, Method 106
RoHS	compliant

## Packing

Single or 100