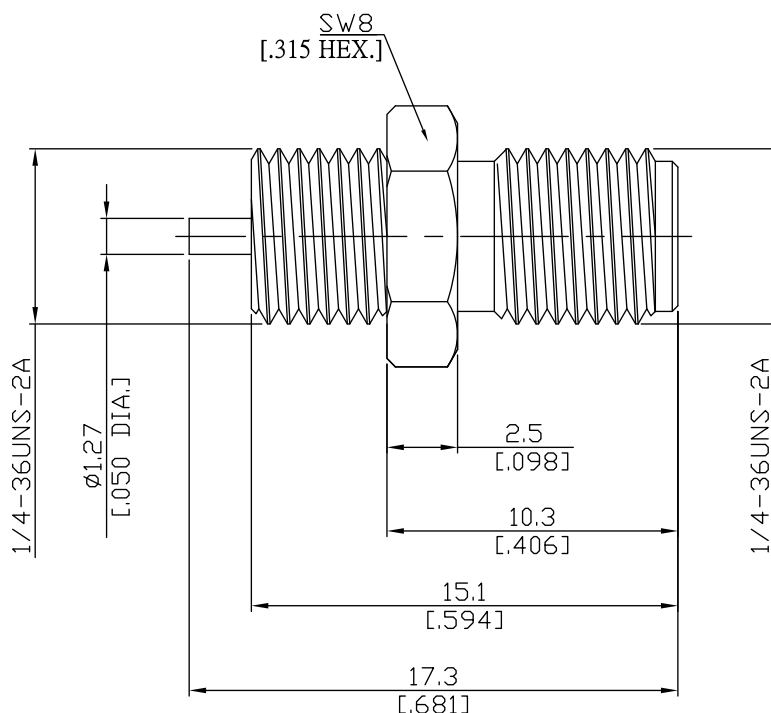


SMA jack (female) Straight Bulkhead Connector
Solder Attachment, Stub Terminal DC- 18 GHz VSWR 1.25

SMA2FA50-1730A / HX



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

 $50\ \Omega$

Frequency

DC to 18 GHz

VSWR (Return Loss)

 ≤ 1.25 (≥ 19.1 dB)

Insertion Loss

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

Insulation resistance

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

Center contact resistance

 $\leq 3 \text{ m}\Omega$

Outer contact resistance

 $\leq 2 \text{ m}\Omega$

Test voltage

1000 V_{rms}

Working voltage

480 V rms

Power handling

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

RF-leakage

≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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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