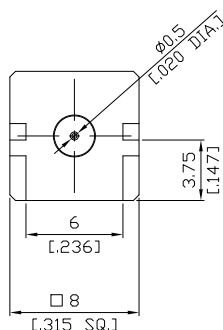
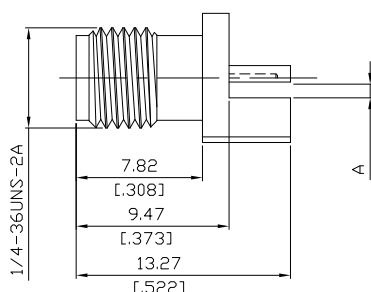
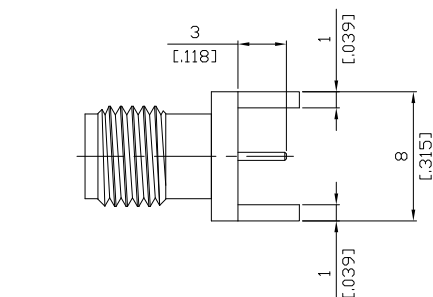


SMA Jack(female) PCB End Launch Straight Coaxial Pin Air Teflon Design

**SMA2H1A50-XXXXB / 91**



Part Number	ΦA
SMA2H1A50-0060B/91	0.60 [0.024]
SMA2H1A50-0080B/91	0.80 [0.031]
SMA2H1A50-0100B/91	1.00 [0.039]
SMA2H1A50-0110B/91	1.10 [0.043]
SMA2H1A50-0120B/91	1.20 [0.047]
SMA2H1A50-0130B/91	1.30 [0.051]
SMA2H1A50-0150B/91	1.50 [0.059]
SMA2H1A50-0160B/91	1.60 [0.063]
SMA2H1A50-0173B/91	1.73 [0.068]
SMA2H1A50-0210B/91	2.10 [0.083]
SMA2H1A50-0225B/91	2.25 [0.089]
SMA2H1A50-0360B/91	3.60 [0.142]

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)

≤1.20 (≥20.83 dB) DC to 6GHz

≤1.30 (≥17.69 dB) 6 to 18GHz

Insertion loss

≤ 0.03 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

≤ 100 W @ 10 GHz

RF-leakage

≥ 100 dB up to 1 GHz

**Material And Plating**

Connector 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) PCB End Launch Straight Coaxial Pin Air Teflon Design

**SMA2H1A50-XXXXB / 91**

**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N
radial	≥ 1 Ncm
Board mounting type	End Launch
Coupling test torque	max. 1.7 Nm
Recommended torque	0.8 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