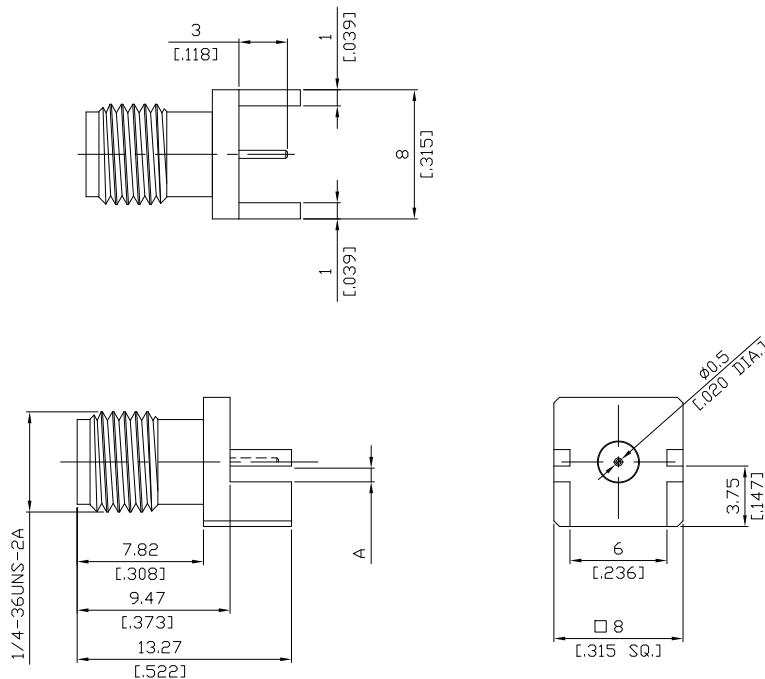


SMA Jack(female) PCB End Launch Straight Coaxial Pin Air Teflon Design

SMA2H1A50-XXXXB / 91



Part Number	ΦA
SMA2H1A50-0060B/91	0.60 [.024]
SMA2H1A50-0080B/91	0.80 [.031]
SMA2H1A50-0100B/91	1.00 [.039]
SMA2H1A50-0110B/91	1.10 [.043]
SMA2H1A50-0120B/91	1.20 [.047]
SMA2H1A50-0130B/91	1.30 [.051]
SMA2H1A50-0150B/91	1.50 [.059]
SMA2H1A50-0160B/91	1.60 [.063]
SMA2H1A50-0173B/91	1.73 [.068]
SMA2H1A50-0210B/91	2.10 [.083]
SMA2H1A50-0225B/91	2.25 [.089]
SMA2H1A50-0360B/91	3.60 [.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	

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Mechanical Data

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