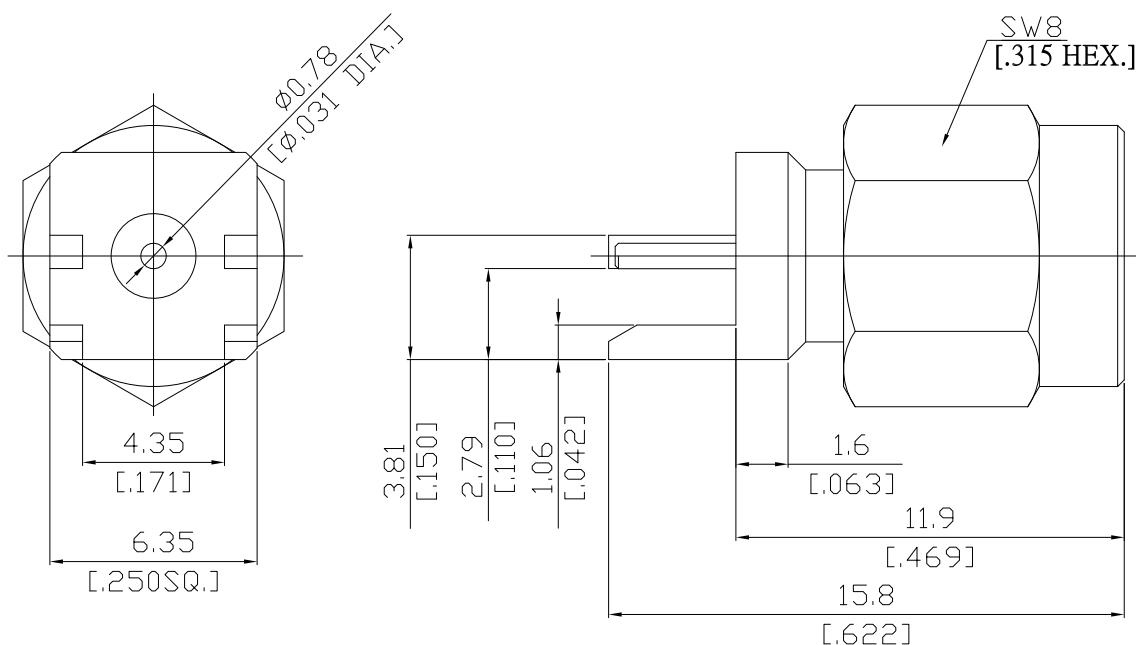


Reverse Polarity SMA Plug (RP male) PCB End Launch Straight
Teflon Design DC-18 GHz

SMA5H1A50-6811A / 911



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

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

Gasket

Silicone Rubber

Coupling nut

Brass

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Reverse Polarity SMA Plug (RP male) PCB End Launch Straight
Teflon Design DC-18 GHz**SMA5H1A50-6811A / 911****Mechanical Data**

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N
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