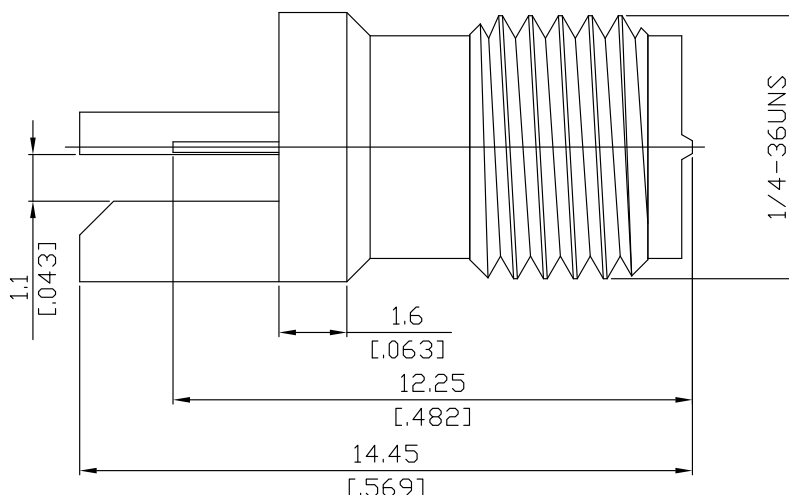
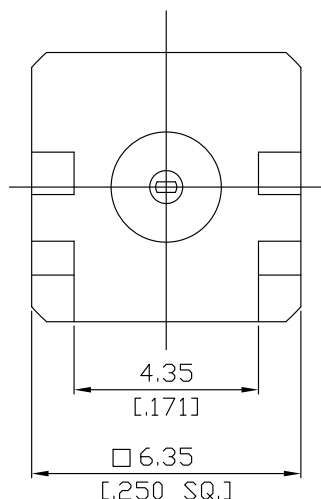


Reverse Polarity SMA Jack (RP female) PCB End Launch Straight
Teflon Design DC-18 GHz

SMA7H1B50-4331A / 11



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 | Brass | Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch) |
| Body | Brass | Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch) |
| Insulator | PTFE | |

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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