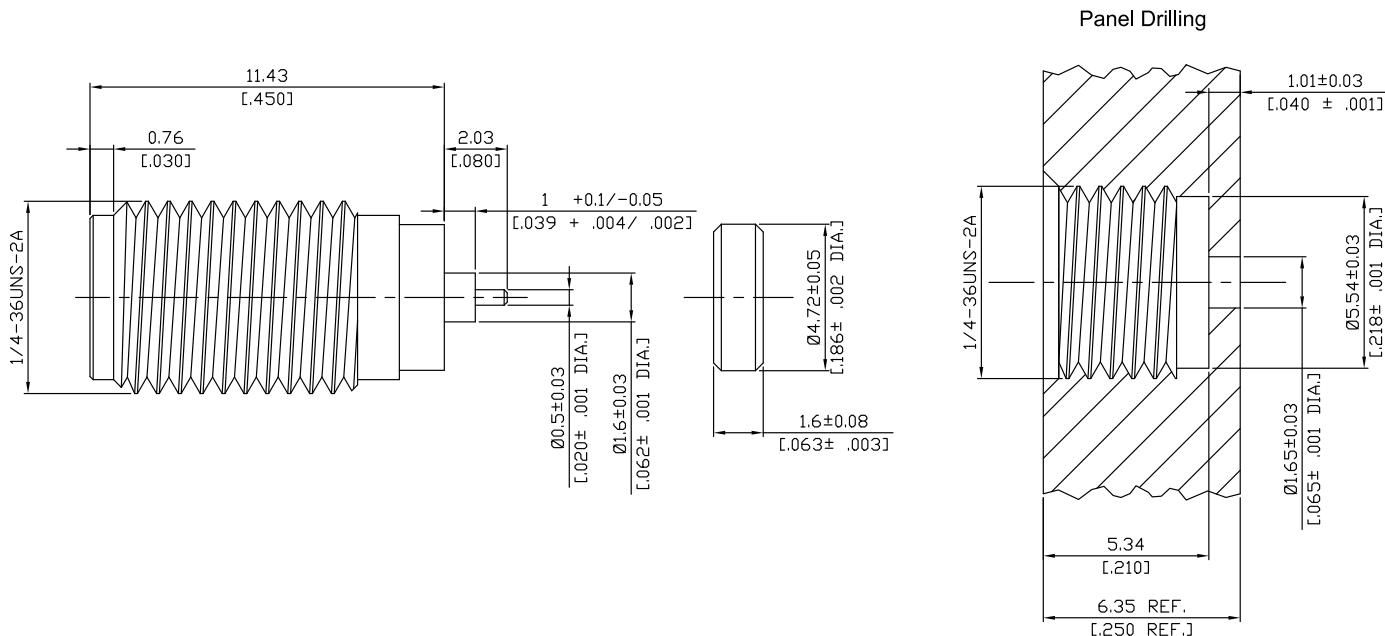


**SMA jack (female) Thread-In Straight Connector  
Solder Attachment, Stub Terminal DC- 26.5 GHz VSWR 1.25**

**PCA2FA50-1346A / 9Q**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

IEC 60169-15;CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

#### Electrical Data

Impedance

50 Ω

Frequency

DC to 26.5 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB)

Insertion Loss

≤ 0.04 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

RF-leakage

≥ 100 dB up to 1 GHz

VSWR in application depends decisive on PCB layout or cavity design.

#### Material And Plating

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

SMA jack (female) Thread-In Straight Connector  
Solder Attachment, Stub Terminal DC- 26.5 GHz VSWR 1.25

# PCA2FA50-1346A / 9Q

## 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	1.70 Nm max.
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, Method 106
RoHS	compliant

## Packing

Single or 100