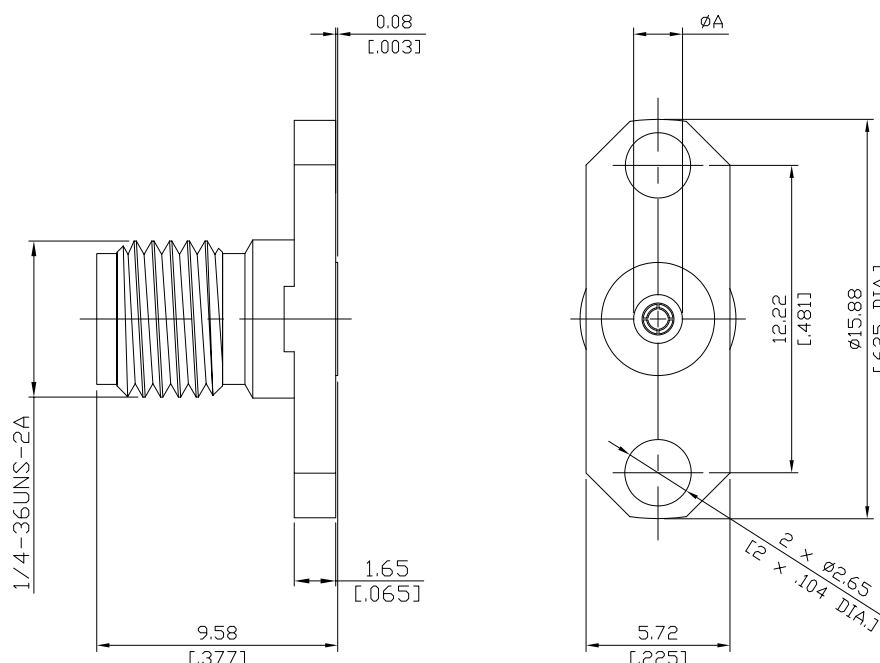


Precision SMA Jack (female) Connector 2 Straight Field Replaceable
12.22mm (.481 inch) Hole Spacing DC-27GHz VSWR1.15

PCA2BT50-0012A / 9X



P/N	Accept Pin mm [inch]	Max. Pin Depth mm [inch]	Ø A mm [inch]
PCA2BT50-0036A/9X	0.91 [.036]	2.54 [.100]	3.91 [.154]
PCA2BT50-0020A/9X	0.51 [.020]	2.54 [.100]	2.67 [.105]
PCA2BT50-0018A/9X	0.46 [.018]	2.54 [.100]	2.59 [.102]
PCA2BT50-0015A/9X	0.38 [.015]	2.54 [.100]	1.96 [.077]
PCA2BT50-0012A/9X	0.30 [.012]	1.90 [.075]	1.96 [.077]
PCA2BT50-0009A/9X	0.23 [.009]	1.65 [.065]	1.52 [.060]

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 27 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.04 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3.0 mΩ

Outer Contact Resistance

≤ 2.0 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

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	Passivated
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	1.70 Nm
Recommended Torque	0.80 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