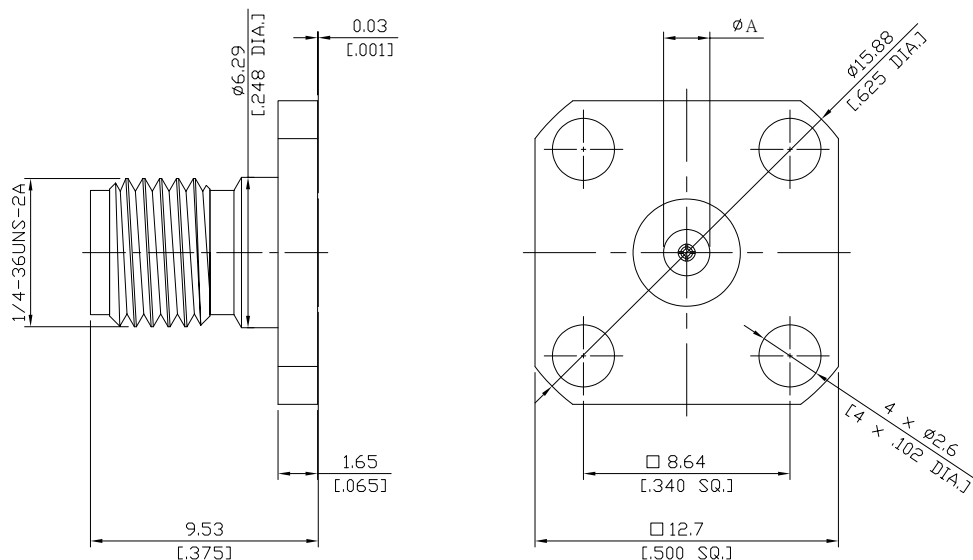


Precision SMA Jack (female) Connector 4 Straight Field Replaceable
8.64mm (.340 inch) Hole Spacing DC-27GHz VSWR1.15

PCA2BF50-0018A / 9X



Rosnol P/N	Pin Size	Max. Pin Depth	φA
PCA2BF50-0036A/9X	0.91mm [0.036"]	2.54mm [0.100"]	3.91mm [0.1540"]
PCA2BF50-0020A/9X	0.51mm [0.020"]	2.54mm [0.100"]	2.65mm [0.1045"]
PCA2BF50-0018A/9X	0.46mm [0.018"]	2.54mm [0.100"]	2.59mm [0.1020"]
PCA2BF50-0015A/9X	0.38mm [0.015"]	2.54mm [0.100"]	1.94mm [0.0765"]
PCA2BF50-0012A/9X	0.30mm [0.012"]	1.91mm [0.075"]	1.94mm [0.0765"]
PCA2BF50-0009A/9X	0.23mm [0.009"]	1.65mm [0.065"]	1.53mm [0.0602"]

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