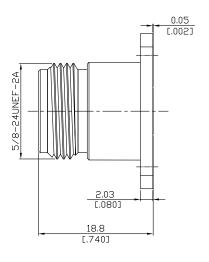
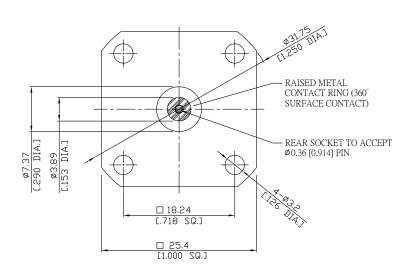


Technical Data Sheet

Precision N Jack (Female) Field Replaceable Connector 4 Hole 25.4mm [1.000 inch] Sq. Flange to Accept 0.914mm [.036 inch] DIA. Pin, DC-18GHz VSWR1.15

PCN2BF50-0036A / 9X





All dimensions are in mm [inch] Tolerances according to DIN ISO 2768-mH

Interface

According to

Impedance

IEC 61169-16, MIL-STD 348B/402

Electrical Data

Frequency VSWR (Return Loss)

Insertion Loss Insulation Resistance

Center Contact Resistance Outer Contact Resistance Working Voltage

Power Handling (at 20 °C, sea level, VSWR 1.0)

50 Ω

DC to 18 GHz ≤ 1.15 (≥ 23.13 dB)

≤ 0.05 x √F (GHz) dB

≥ 5 GΩ

 $\leq 1~\text{m}\Omega$

 $\leq 0.25~\text{m}\Omega$

500 V rms

1000 W @ 1 GHz

700 W @ 2 GHz

Material And Plating

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

The facts and figures herein are carefully compiled to the best of our	
knowledge, but they are intended for general informational purposes only.	
In the effort to improve our products, we reserve the right to make changes	r
judged to be necessary.	

I Kev.:-	Rosnol RF/Microwave Technology Co., Ltd. www.rosnol.com; info@rosnol.com	
Date: 6/23/2019	Phone: +886-3-463-5095 / Fax: +886-3-463-5952 N-CAGE Code: SFKK0 / ISO9001 Certified	

Page

1/2



Technical Data Sheet

Precision N Jack (Female) Field Replaceable Connector 4 Hole 25.4mm [1.000 inch] Sq. Flange to Accept 0.914mm [.036 inch] DIA. Pin, DC-18GHz VSWR1.15

PCN2BF50-0036A / 9X

Mechanical Data

 Coupling Mechanisms
 Screw-lock

 Mating Cycles
 ≥ 500

 Center Contact Captivation: axial
 > 28 N

 radial
 > 3 Ncm

 Center Contact Retention Force
 1.7 Nm

Recommended Torque 1.35 Nm Accept Pin Size 0.914mm [.036 inch]

Environmental Data

Temperature Range
-55°C to +165°C
Thermal shock
MIL-STD-202, Method 107, Condition B
Corrosion
MIL-STD-202, Method 101, Condition B
Vibration
MIL-STD-202, Method 204, Condition B
Shock
MIL-STD-202, Method 213, Condition I
Moisture Resistance
MIL-STD-202, Method 106

RoHS compliant

Packing

Standard Single Weight N/A

Rev.:-

6/23/2019