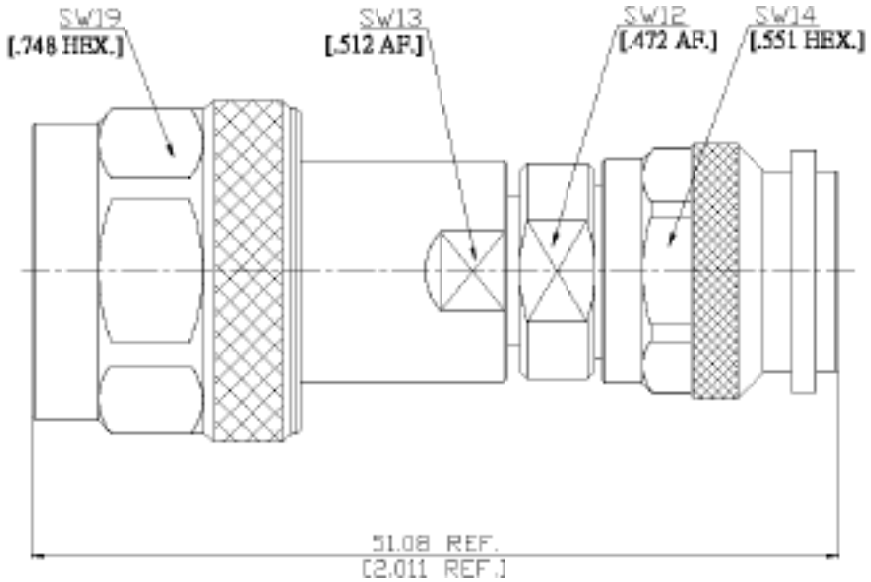
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

Precision N Plug (Male) to Precision TNC Plug (Male) Straight Adaptor DC-18 GHz VSWR ≤ 1.15

AD-PCN1PCT15A / 933-933



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

Interface

Precision N according to	IEC 60169-16; MIL-STD 348B/402
Precision TNC according to	IEC 60169-26

Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.15 (≥ 23.13 dB)	
Insertion Loss	≤ 0.1 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 1.0 mΩ, Precision N Side	≤ 1.5 mΩ, Precision TNC Side
Outer Contact Resistance	≤ 1.0 mΩ, Precision N Side	≤ 1.0 mΩ, Precision TNC Side
Test Voltage (at sea level)	1500 V rms	
Working Voltage (at sea level)	500 V rms	

Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Piece Parts (Precision TNC)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Nickel
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel

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 judged to be necessary.

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

	Precision N Side	Precision TNC Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Coupling Nut Retention	N/A	N/A
Center Contact Captivation: axial	≥ 27 N	≥ 27 N
Coupling Test Torque	1.7 Nm max.	1.7 Nm max.
Recommended Torque	1.35 Nm	1.35 Nm

Environmental Data

Temperature Range	-60°C to +100°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

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