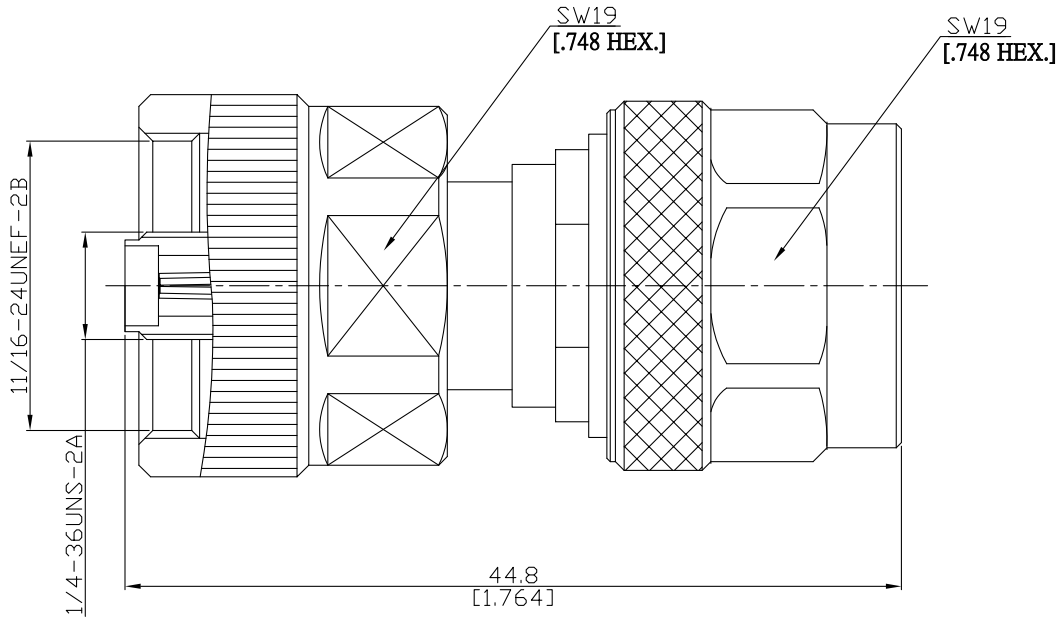
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

Precision N plug (male) / Ruggedized NMD 3.5mm plug (male) Straight Adaptor DC-18 GHz VSWR ≤ 1.15

AD-PCN1NMPC15A / 9XX-9XX



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
NMD 3.5mm mechanically compatible with	IEC 60169-23

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.15 (≥ 23.13 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.0 mΩ, Precision N side
Outer contact resistance	≤ 1.0 mΩ, Precision N side

Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinc)
Body	Stainless Steel	Passivated
Insulator	PS	
Coupling nut	Stainless Steel	Passivated
Piece Parts (NMD 3.5mm)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinc)
Body	Stainless Steel	Passivated
Insulator	PS	

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Mechanical Data

	Precision N side	NMD 3.5mm side
Coupling mechanisms	Screw-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation	≥ 28 N	≥ 27 N
Coupling test torque	1.70 Nm	1.70 Nm
Recommended torque	0.70 Nm to 1.10 Nm	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-40°C to +85°C
RoHS	compliant

Packing

Singleor 100

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