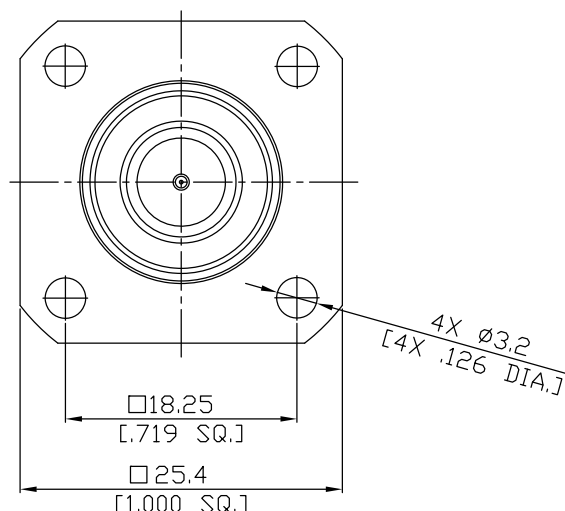
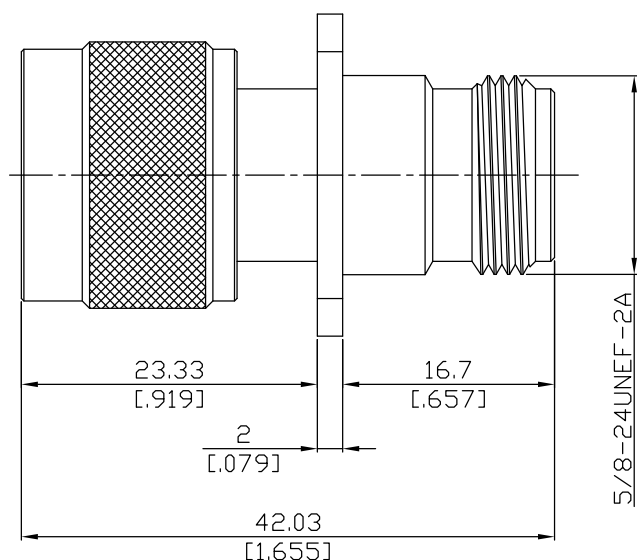


N Snap-On Plug (Male) to N Jack (Female)
4-Hole Panel Flange Adapter, DC-11GHz, VSWR ≤ 1.20

AD-NQ1N25A-PF / 944-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N according to IEC 61169-16; MIL-STD-348B/304

Electrical Data

Impedance	50 Ω
Frequency	DC to 11 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 20.8 dB)
Insertion Loss	≤ 0.04 × √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1 mΩ
Outer contact resistance	≤ 0.25 mΩ
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz
RF-leakage	≥ 128 dB up to 1 GHz

Material And Plating

Piece Parts (N Snap-On)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

N Snap-On Plug (Male) to N Jack (Female)
4-Hole Panel Flange Adapter, DC-11GHz, VSWR ≤ 1.20

AD-NQ1N25A-PF / 944-94

Mechanical Data

	N (plug) side	N (jack) side
Coupling mechanisms	Screw-lock	Snap-lock
Mating cycles	min. 500	min. 500
Coupling nut retention	≥ 450 N	≥ 450 N
Center contact captivation: axial	≥ 28 N	≥ 28 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm	0.7 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. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
Degree of protection (mated pair)	IEC 60529, IP67
RoHS	compliant

Packing

Single or 100