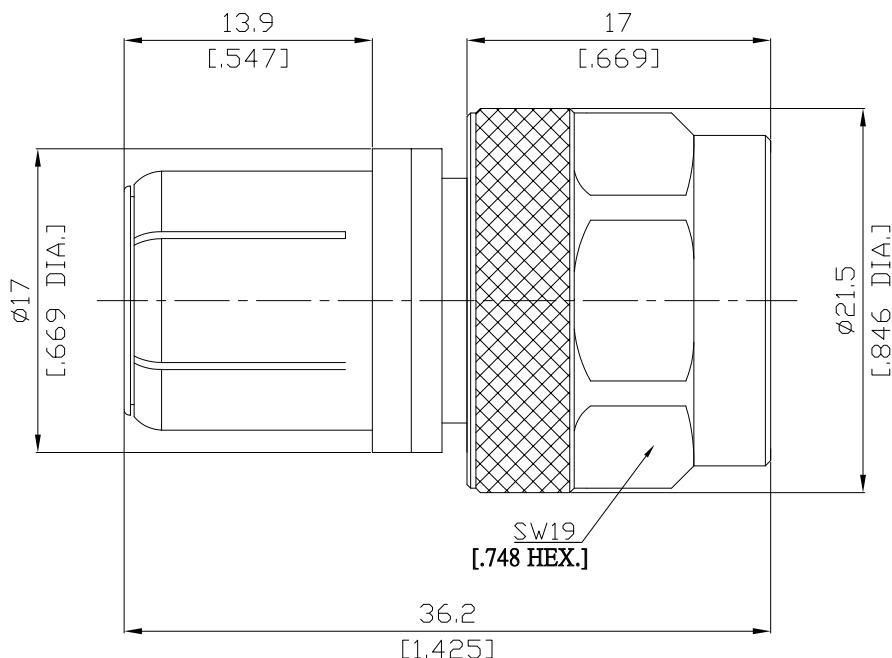


N plug (male) / N Snap-On jack (female)  
Straight Adaptor DC-8 GHz VSWR ≤ 1.22

## AD-N1NQ25A / 133-H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

according to

IEC 60169-16 ; MIL-STD-348B/402

## Electrical Data

Impedance

50 Ω

Frequency

DC to 8 GHz

VSWR (Return Loss)

≤ 1.22 (≥ 20 dB)

Insertion loss

≤ 0.1 x √f (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1 mΩ

Outer contact resistance

≤ 1 mΩ

Test voltage

2500 V rms

Working voltage

500 V rms

RF-leakage

≥ 90 dB up to 1 GHz

## Material And Plating

## Piece Parts (N)

## Material

## Plating

Centre contact

Brass

Gold plating(Nickel underplated)

Body

Brass

Nickel

Insulator

PTFE

Coupling nut

Brass

Nickel

## Piece Parts (N Snap-On)

## Material

## Plating

Centre contact

Phosphor Bronze

Gold plating(Nickel underplated)

Body

Brass

Nickel

Insulator

PTFE

N plug (male) / N Snap-On jack (female)  
Straight Adaptor DC-8 GHz VSWR ≤ 1.22

## AD-N1NQ25A / 133-H3

### Mechanical Data

Coupling mechanisms	N Snap-On side	N side
Mating cycles	Snap-lock	Screw-lock
Center contact captivation	≥ 200	≥ 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	N/A	1.70 Nm
Engagement force	N/A	0.70 Nm to 1.10 Nm
Disengagement force	30 N typical	N/A
	30 N typical	N/A

### Environmental Data

Temperature range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

### Packing

Single or 100