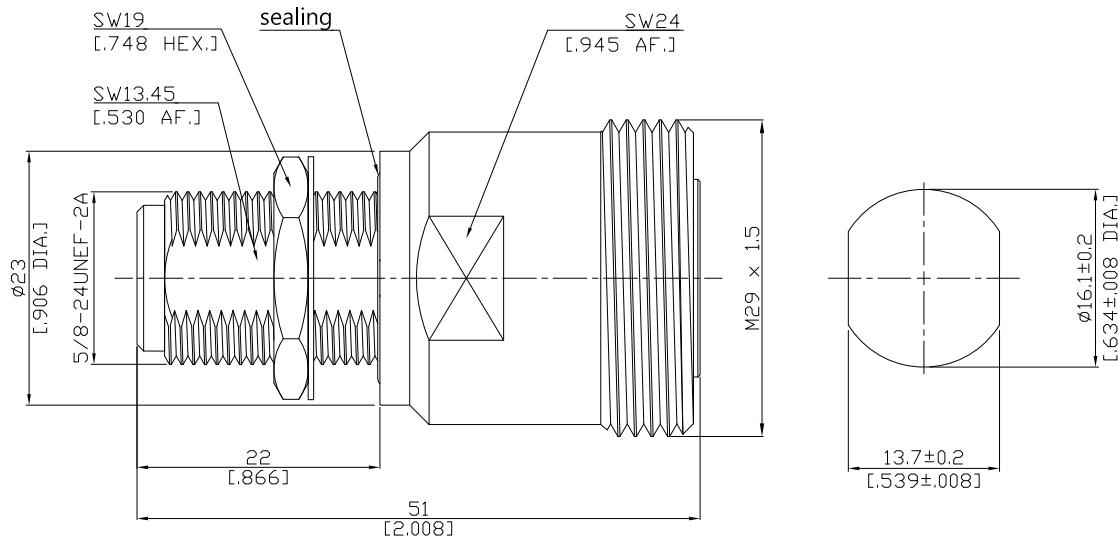


N jack (female) / 7/16 jack (female) Low PIM Bulkhead Straight Adaptor  
DC-7.5 GHz VSWR  $\leq$  1.15

# LPAD-N2D25A-BH / H4-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

N according to

IEC 61169-16; MIL-STD-348B/304

7/16 according to

IEC 61169-4

## Electrical Data

Impedance

50 Ω

Frequency

DC to 7.5 GHz

VSWR (Return Loss)

DC to 1 GHz:  $\leq 1.07$  ( $\geq 30$  dB) 1 to 7.5 GHz:  $\leq 1.15$  ( $\geq 23$  dB)

Insertion Loss

$\leq 0.05 \times \sqrt{f}$  (GHz) dB

Insulation resistance

$\leq 5$  mΩ

Center contact resistance

$\leq 1$  mΩ, N side;

$\leq 0.4$  mΩ, 7-16 side

Outer contact resistance

$\leq 0.25$  mΩ, N side;

$\leq 1.5$  mΩ, 7-16 side

Working voltage

500 V rms

Power handling

$\geq 20$  W

RF-leakage

$\geq 128$  dB up to 1 GHz

PIM Level

$> -150$  dBc

## Material And Plating

### Piece Parts (N)

Material	Plating
Centre contact	Phosphor Bronze
Body	Brass
Insulator	PTFE

### Piece Parts (7/16)

Material	Plating
Centre contact	Phosphor Bronze
Body	Brass
Insulator	PTFE

N jack (female) / 7/16 jack (female) Low PIM Bulkhead Straight Adaptor  
DC-7.5 GHz VSWR  $\leq$  1.15

## LPAD-N2D25A-BH / H4-H4

## Mechanical Data

## Environmental Data

Temperature Range	-65°C to +155°C
Rapid change of temperature	IEC 60068-2-14 Test Na
Corrosion salt mist	IEC 60068-2-11 Test Ka
Vibration	IEC 60068-2-6 Test Fc
Shock	IEC 60068-2-27 Test Ea
Climatic class	IEC 60068-1 (45/85/56)
Cold	IEC 60068-2-1 Test A
Dry heat	IEC 60068-2-2 Test B
Damp heat (steady state)	IEC 60068-2-3 Test Ca
Degree of protection (mated pair)	IEC 60529, IP68
RoHS	compliant

## Packing

Single or 100