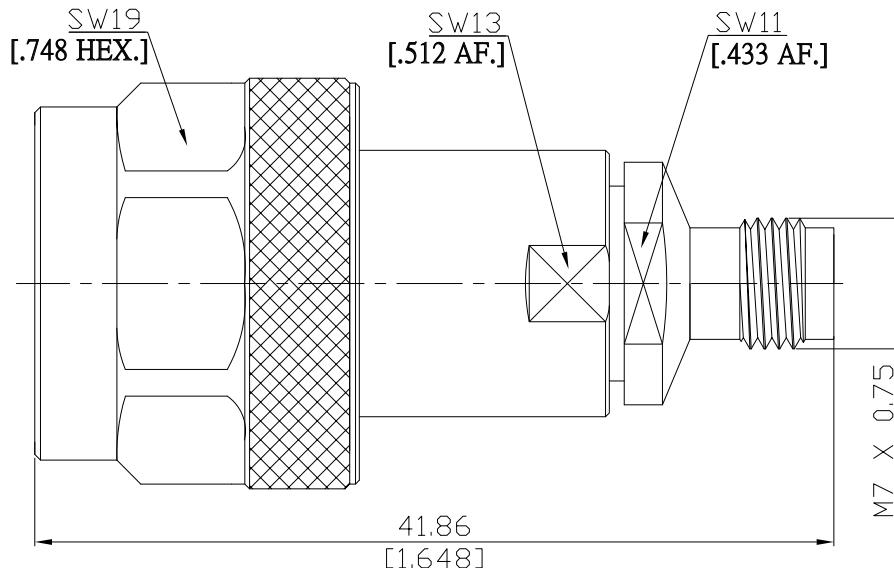


Precision N plug (male) / 2.4mm jack (female)  
Straight Adaptor DC-18 GHz VSWR  $\leq$  1.15

**AD-PCN1Q25A / 9XX-9X**



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  
2.4mm according to IEC 61169-40; MIL-STD-348B/324

#### Electrical Data

Impedance 50  $\Omega$   
Frequency DC to 18 GHz  
VSWR (Return Loss)  $\leq$  1.15 ( $\geq$  23.13 dB)  
Insertion Loss  $\leq$  0.04  $\times$   $\sqrt{F}$  (GHz) dB  
Insulation resistance  $\geq$  5 G $\Omega$   
Center contact resistance  $\leq$  1.0 m $\Omega$ , Precision N side;  
Outer contact resistance  $\leq$  1.0 m $\Omega$ , Precision N side;

#### Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (2.4mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PS	

Precision N plug (male) / 2.4mm jack (female)  
Straight Adaptor DC-18 GHz VSWR ≤ 1.15

## AD-PCN1Q25A / 9XX-9X

### Mechanical Data

Coupling mechanisms	Precision N side	2.4mm side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 28 N	≥ 20 N
Recommended torque	1.70 Nm	1.65 Nm
	0.70 Nm to 1.10 Nm	0.80 Nm to 1.10 Nm

### Environmental Data

Temperature Range	-60°C to +100°C
RoHS	compliant

### Packing

Single or 100