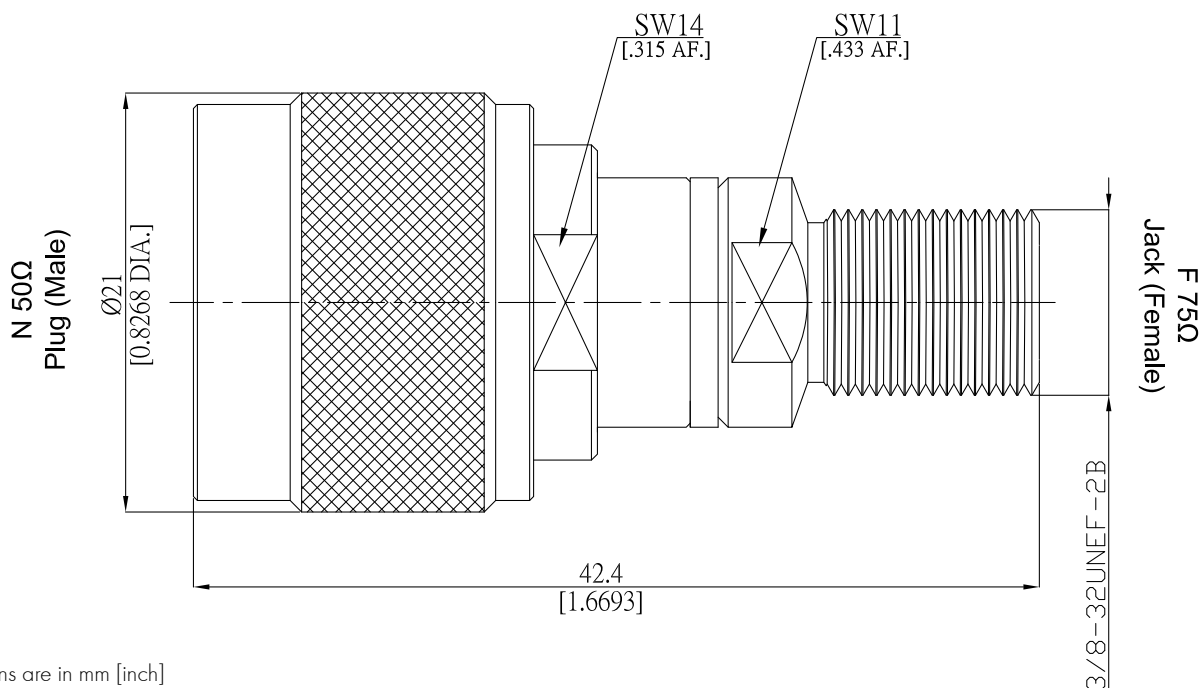


Impedance Matching Pads plug/jack  
N 50 plug (male) / F 75 jack (female)

**MP-N15F27B-2G / H33-H3**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

N side according to

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

F side according to

IEC 61169-24

**Electrical Data**

Impedance

N 50  $\Omega$  / F 75  $\Omega$

Frequency

DC to 2 GHz

VSWR (Return Loss)

$\leq 1.25$  ( $\geq 19.08$  dB)

Insertion Loss

$\leq 5.7 \pm 0.5$  dB

Insulation Resistance

$\geq 5$  G $\Omega$

Test Voltage (at sea level)

1000 V rms

Working Voltage (at sea level)

335 V rms

RF Leakage

$\geq 100$  dB up to 1 GHz

**Material And Plating**

Piece Parts (N)	Material	Plating
Centre Contact	Phosphor Bronze	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Brass	Nickel
Piece Parts (F)	Material	Plating
Centre Contact	Phosphor Bronze	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	

Impedance Matching Pads plug/jack  
N 50 plug (male) / F 75 jack (female)

**MP-N15F27B-2G / H33-H3**

**Mechanical Data**

Coupling mechanisms	N (Screw-lock) ; F (Screw-lock)
Mating Cycles	≥ 500
Coupling Nut Retention	N/A
Center Contact Captivation: axial	≥ 27 N
Weight	0.0040 kg
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.9 Nm

**Environmental Data**

Temperature Range	-40°C to +85°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

**Packing**

Single or 100