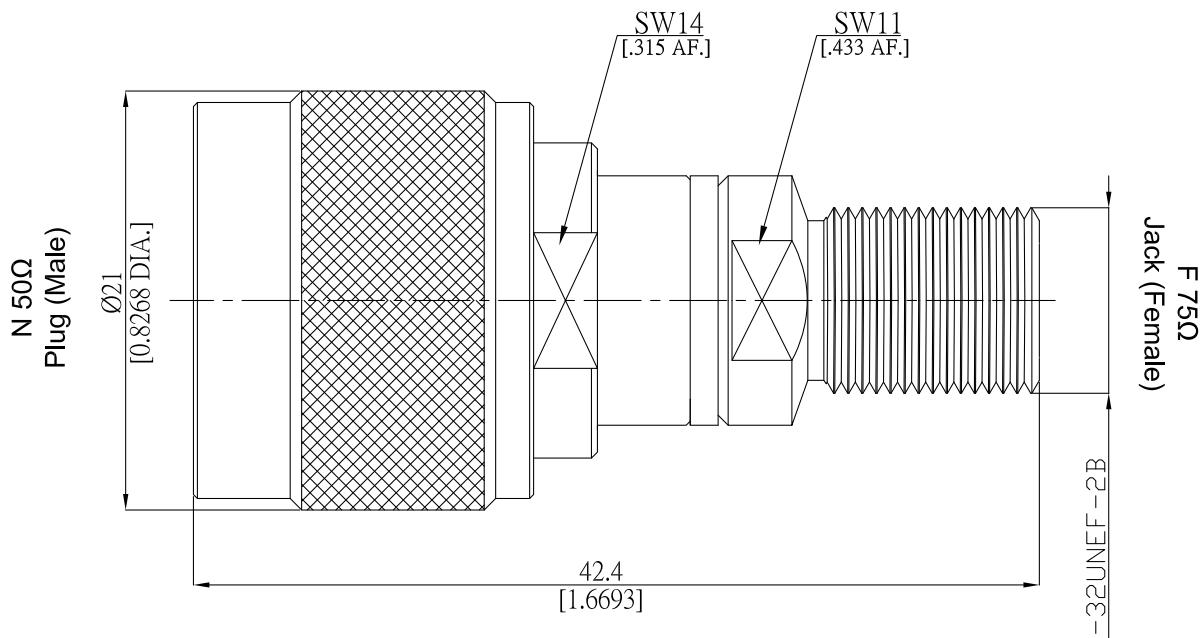


**Impedance Matching Pads plug/jack  
N 50 plug (male) / F 75 jack (female)**
**MP-N15F27B-2G / H33-H3**


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 Ω / F 75 Ω
Frequency	DC to 2 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 5.7 ± 0.5 dB
Insulation Resistance	≥ 5 GΩ
Test Voltage (at sea level)	1000 V rms
Working Voltage (at sea level)	335 V rms
RF Leakage	≥ 100 dB up to 1 GHz

**Material And Plating**

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