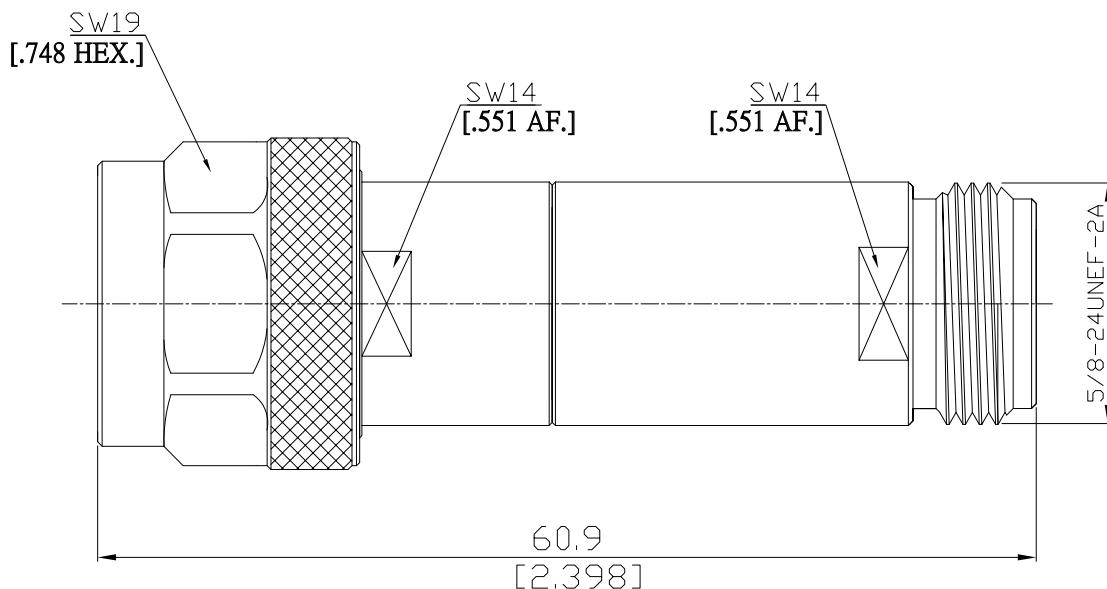


Impedance Matching Pads plug/jack
 N 50 plug (male) / N 75 jack (female)

MP-N15N27A-3G / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

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

Electrical Data

Impedance

N 50 Ω Plug / N 75 Ω Jack

Interface Frequency Max

DC to 3 GHz

Frequency range sub-section

DC to 1 GHz 1 to 2 GHz 2 to 3 GHz

VSWR (Return loss) 50 Ω

≤ 1.1 (≥ 26.44 dB) ≤ 1.15 (≥ 23.13 dB) ≤ 1.25 (≥ 19.08 dB)

75 Ω

≤ 1.15 (≥ 23.13 dB) ≤ 1.25 (≥ 19.08 dB) ≤ 1.35 (≥ 16.54 dB)

Insertion loss 50 Ω to 75 Ω

≤ 5.7 dB

75 Ω to 50 Ω

≤ 5.7 dB

Insulation resistance

≥ 5 GΩ

Avg. power rating (W)

0.7 W (@ 40 °C; linearly decreasing to 0 W @ 125 °C)

Material And Plating

Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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Mechanical Data

Coupling Mechanisms	Screw-lock
Mating Cycles	≥ 500
Center contact captivation: axial	≥ 28 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°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 B
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100