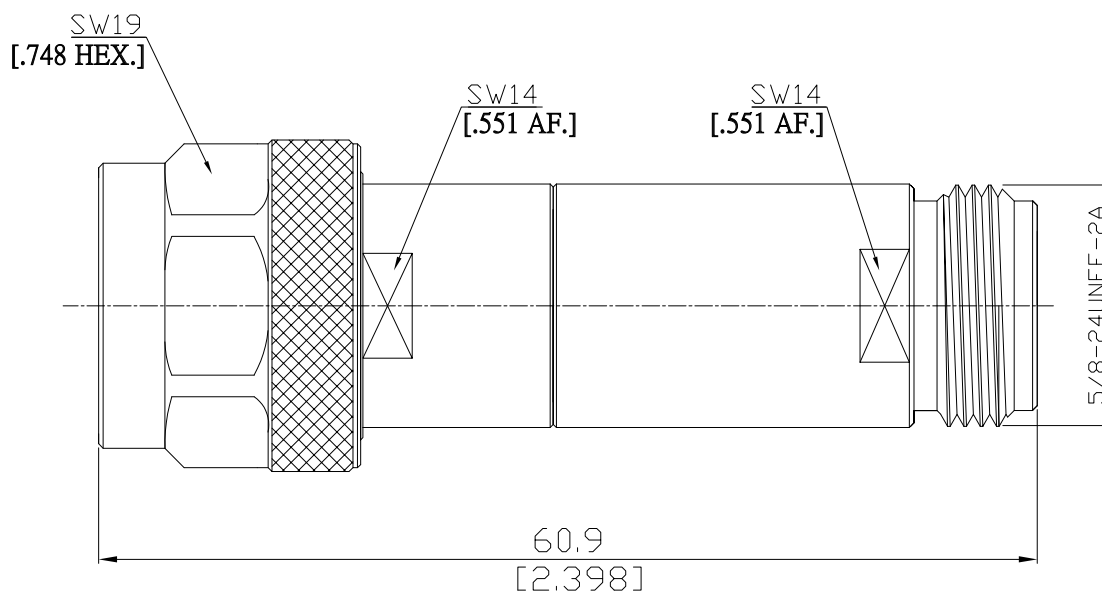


Impedance Matching Pads plug/jack N 50 plug (male) / N 75 jack (female)

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 G Ω

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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:
10/7/2018

Rosnol RF/Microwave Technology Co., Ltd.

www.rosnol.com; info@rosnol.com

Phone: +886-3-463-5095 / Fax: +886-3-463-5952

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

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

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

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