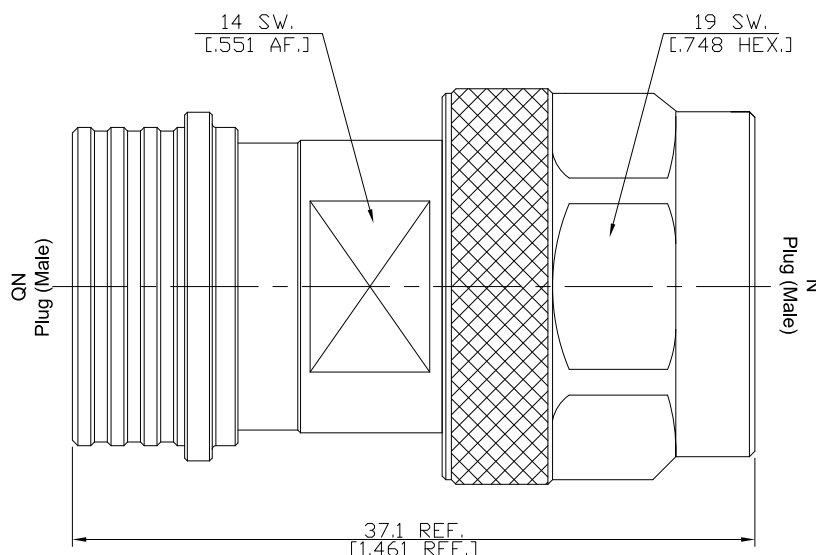


QN Plug (Male) / N Plug (Male) Adaptors Straight DC-6 GHz VSWR1.2

AD-QN1N15A / 944-944



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

QN according to

IEC 61169-42

N according to

IEC 60169-16; MIL-STD-348B/304; CECC 22210; MIL-PRF-39012

Electrical Data

Impedance

50 Ω

Frequency

DC to 6 GHz

Insertion Loss

≤ 1.2 (≥ 20.83 dB)

Insertion loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1.5 mΩ, QN side

≤ 1 mΩ, N side

Outer contact resistance

≤ 1.5 mΩ, QN side

≤ 0.25 mΩ, N side

Working voltage

1000 V rms

Test voltage

2500 V rms

Power handling

300 W @ 2.5 GHz (typ.)

Material And Plating

Piece Parts (QN)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy

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:

MAY/19/2025

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N-CAGE Code: SFKK0 / ISO9001 Certified

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QN Plug (Male) / N Plug (Male) Adaptors Straight DC-6 GHz VSWR1.2

AD-QN1N15A / 944-944

Mechanical Data

	QN side	N side
Coupling Mechanisms	Quick-lock	Screw-lock
Mating Cycles	min. 100	min. 500
Center contact captivation: axial	≥ 28 N	≥ 28 N
Engagement force	30 N (typ.)	N/A
Disengagement force	30 N (typ.)	N/A
Coupling test torque	N/A	max. 1.7 Nm
Recommended torque	N/A	0.7 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107 D, Condition B
Corrosion	MIL-STD-202, Method 101 D, Condition B
Vibration	MIL-STD-202, Method 204 D, Condition A
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106 F
RoHS	compliant

Packing

Single or 100