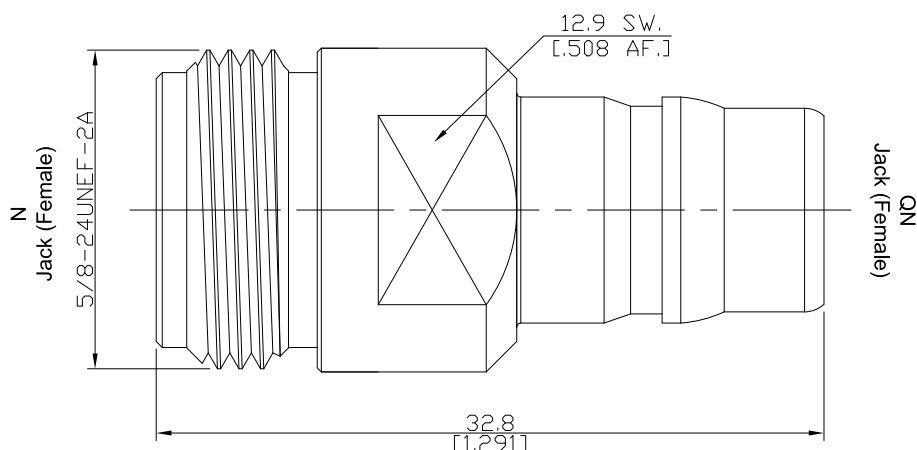


N jack (female) / QN jack (female) Adaptors Straight DC-6 GHz VSWR1.2

AD-N2QN25A / 94-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N according to

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

QN according to

IEC 61169-42

Electrical Data

Impedance

50 Ω

Frequency

DC to 6 GHz

Insertion Loss

≤ 1.2 (≥ 20.83 dB)

Insertion loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 1 mΩ, N side

≤ 1.5 mΩ, QN side

Outer contact resistance

≤ 0.25 mΩ, N side

≤ 1.5 mΩ, QN side

Working voltage

1000 V rms

Test voltage

2500 V rms

Power handling

300 W @ 2.5 GHz (typ.)

Material And Plating

Piece Parts (N)

Centre contact

Material

Beryllium Copper

Plating

Gold plating
(Non-magnetic nickel-phosphorus underplating)

Body

Brass

Copper-Tin-Zinc Alloy

Insulator

PTFE

Piece Parts (QN)

Centre contact

Material

Beryllium Copper

Plating

Gold plating
(Non-magnetic nickel-phosphorus underplating)

Body

Brass

Copper-Tin-Zinc Alloy

Insulator

PTFE

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Mechanical Data

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

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