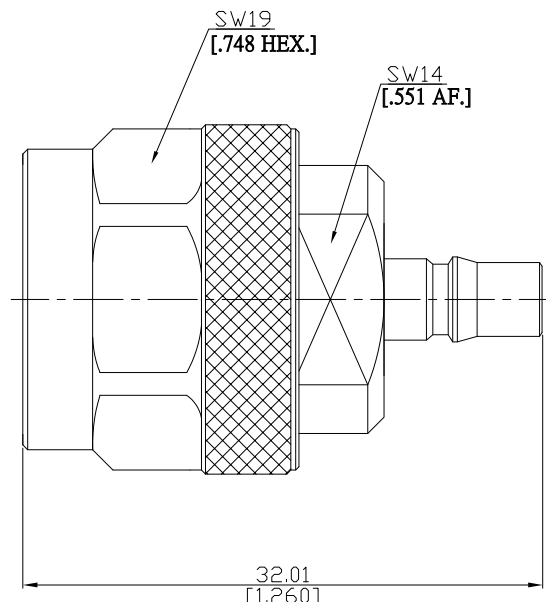


N plug (male) / QMA jack (female)
Straight Adaptor DC-5.6 GHz VSWR ≤ 1.15

AD-N1QA25A / 944-94



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N side According to

IEC 60169-16 ; MIL-STD-348B/402

QMA side according to

N/A

Electrical Data

Impedance

50 Ω

Frequency

DC to 5.6 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 MΩ

Center contact resistance

≤ 1 mΩ

Outer contact resistance

≤ 0.25 mΩ

Test voltage

1000 V rms

Working voltage

480 V rms

RF-leakage

≥ 95 dB up to 2 GHz

Intermodulation

≤ -130 dBc @ 2 x 20 W, 1800 MHz

Material And Plating

Piece Parts (N)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (QMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

N plug (male) / QMA jack (female)
Straight Adaptor DC-5.6 GHz VSWR ≤ 1.15

AD-N1QA25A / 944-94

Mechanical Data

	N side	QMA side
Coupling mechanisms	Snap-lock	Quick-lock
Mating cycles	≥ 500	≥ 200
Center contact captivation: axial	≥ 28 N	≥ 28 N
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.7 Nm to 1.1 Nm	N/A
Engagement force	N/A	typ. 25N
Disengagement force	N/A	typ. 20N
Retention force for interface	N/A	60N min.

Environmental Data

Temperature range	-40°C to +85°C
Storage temperature	-40°C to +85°C
Thermal shock	IEC 60169-1 16.4 (-40 / +85°C)
Corrosion	IEC 60169-1 16.7 (48 hrs)
Vibration	IEC 60068-2-64 random
Damp heat, steady state	IEC 60169-1 16.3 (96 hrs)
RoHS	compliant

Packing

Single or 100