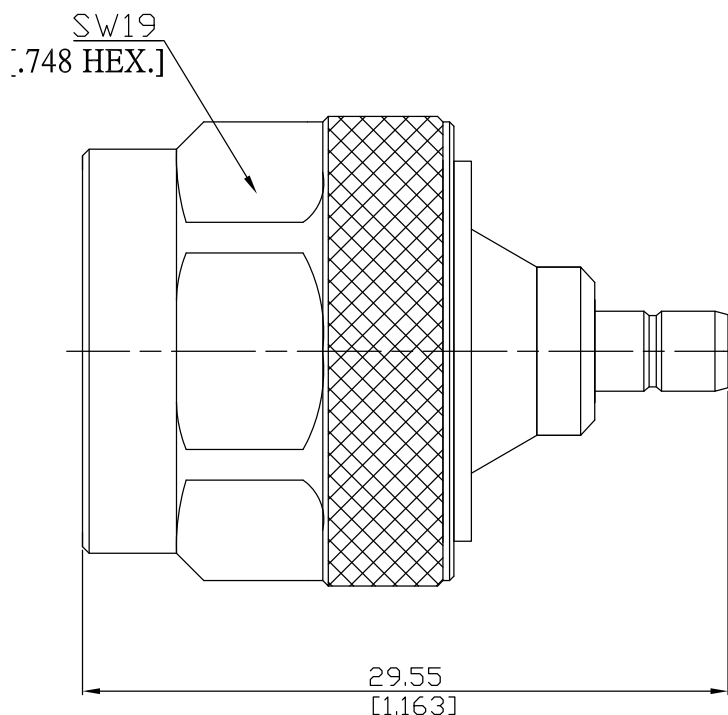


N plug (male) / SMB jack (female)
Straight Adaptor DC-4 GHz VSWR ≤ 1.17

AD-N1S25A / 144-11



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N according to

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

SMB according to

IEC 60169-10; MIL-STD-348B/311

Electrical Data

Impedance

50 Ω

Frequency

DC to 4 GHz

VSWR

≤ 1.17 (≥ 22 dB)

Insertion loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 1 GΩ

Center contact resistance

≤ 1 mΩ, N side

≤ 5 mΩ, SMB side

Outer contact resistance

≤ 0.25 mΩ, N side

≤ 2.5 mΩ, SMB side

Test voltage

750 V rms, 50 Hz, at sea level

Working voltage

≤ 250 V rms, 50 Hz, at sea level

Contact current

1.5 A DC typ.

RF-leakage

≥ 55 dB up to 1 GHz

N plug (male) / SMB jack (female) Straight Adaptor DC-4 GHz VSWR $\leq$ 1.17

AD-N1S25A / 144-11

Material And Plating

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

Mechanical Data

	N side	SMB side
Coupling mechanisms	Screw-lock	Snap-lock
Mating cycles	min. 500	min. 500
Center contact captivation: axial	$\geq$ 10N	$\geq$ 10N
Engagement force	N/A	$\geq$ 63 N
Disengagement force	N/A	8 N min. to 63 N max.
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.7 Nm to 1.1 Nm	N/A

Environmental Data

Temperature Range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Singleor 100