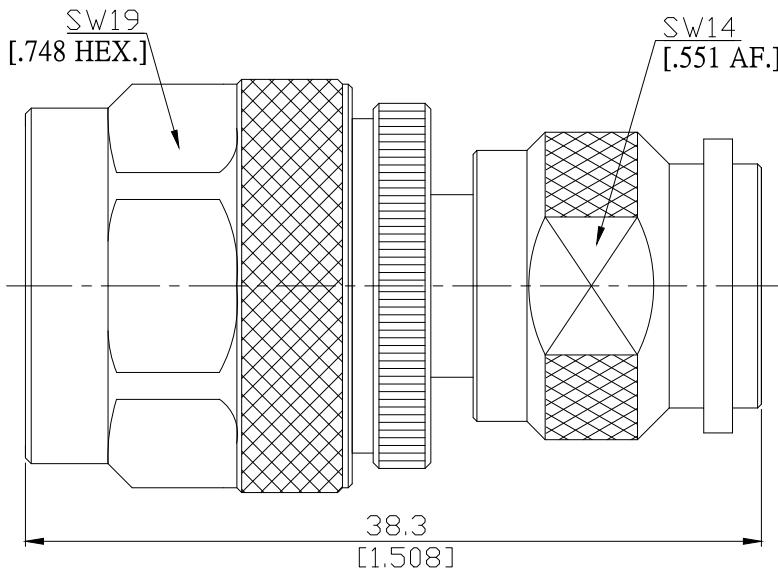


N plug (male) / TNC R/P plug (male)
Straight Adaptor DC-10 GHz VSWR ≤ 1.50

AD-N1T55A / H44-H44



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

N according to

IEC 61169-8; MIL-STD-348B/301

TNC according to

IEC 60169-17; MIL-STD-348B/313

Electrical Data

Impedance

50 Ω

Frequency

DC to 10 GHz

VSWR (Return Loss)

≤ 1.50 (≥ 14 dB)

Insertion loss

$\leq 0.05 \times \sqrt{f}$ (GHz) dB

Insulation resistance

≥ 5 G Ω

Center contact resistance

≤ 1 m Ω , N side;

≤ 1.5 m Ω , TNC side

Outer contact resistance

≤ 0.25 m Ω , N side;

≤ 1 m Ω , TNC side

Working voltage

500 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

≤ 80 W @ 2 GHz

Material And Plating

Piece Parts (N)

Material

Plating

Centre contact

Phosphor Bronze

Gold plating, 3 μ inch

(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Copper-Tin-Zinc Alloy

Body

Brass

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Copper-Tin-Zinc Alloy

Piece Parts (TNC)

Material

Plating

Centre contact

Phosphor Bronze

Gold plating, 3 μ inch

(Non-magnetic nickel-phosphorus underplating, 80 μ inch)

Copper-Tin-Zinc Alloy

Body

Brass

Insulator

PTFE

Gasket

Silicone Rubber

Coupling nut

Brass

Copper-Tin-Zinc Alloy

N plug (male) / TNC R/P plug (male)
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Mechanical Data

Coupling mechanisms	N side	TNC side
Mating cycles	Screw-lock	Screw-lock
Center contact captivation: axial	min. 500	min. 500
Coupling test torque	≥ 28 N	≥ 28 N
Recommended torque	max. 1.7 Nm	max. 1.7 Nm
	0.7 Nm to 1.1 Nm	0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100