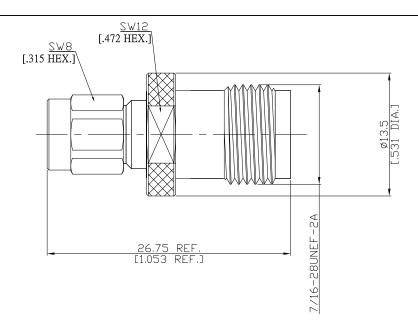


## Technical Data Sheet

## SMA plug (male) / TNC jack (female) Adaptors Straight DC-11GHz VSWR1.20

# AD-A1T25A / H44-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

SMA according to TNC according to

Electrical Data

Impedance Frequency

VSWR (Return Loss)

Insertion Loss Insulation Resistance

Center Contact Resistance

Outer Contact Resistance

Test Voltage

Working Voltage (at sea level)

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

IEC 60169-15;CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310 IEC 61169-17;CECC 22 200;MIL-PRF-39012;TNC-Interface MIL-STD-348/313

50 Ω

DC to 11 GHz

≤ 1.20 (≥ 20.83 dB)

 $\leq$  0.04 x  $\sqrt{F}$  (GHz) dB

≥ 5 GΩ

 $\leq$  3 m $\Omega$ , SMA side

 $\leq$  2 m $\Omega$ , SMA side

1000 V rms

480 V rms

≤ 80 W @ 2 GHz

 $\leq 1.5 \text{ m}\Omega$ . TNC side  $\leq$  1 m $\Omega$ , TNC side

## Material And Plating

· · · · · · · · · · · · · · · · · · ·		
Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (TNC)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.	Kev.:-	Rosnol RF/Microwave Technology Co., Ltd. www.rosnol.com; info@rosnol.com	Page
In the effort to improve our products, we reserve the right to make changes judged to be necessary.	Date:	Phone: +886-3-463-5095 / Fax: +886-3-463-5952 N-CAGE Code: SFKK0 / ISO9001 Certified	1/2



## Technical Data Sheet

SMA plug (male) / TNC jack (female) Adaptors Straight DC-11GHz VSWR1.20

## AD-A1T25A / H44-H4

## Mechanical Data

Coupling mechanisms
Mating Cycles
Coupling nut retention
Center Contact Captivation: axial

Coupling Test Torque Recommended Torque

#### Environmental Data

Temperature Range Thermal shock Corrosion Vibration Shock

Moisture Resistance

RoHS

## Packing

 SMA side
 TNC side

 Screw-lock
 Screw-lock

 min. 500
 min. 500

 ≥ 27 N
 N/A

 ≥ 3 Ncm
 ≥ 27 N

 max. 1.7 Nm
 max. 1.7 Nm

 0.8 Nm to 1.1 Nm
 0.46 Nm to 0.69 Nm

-55°C to +155°C

MIL-STD-202, Meth. 107, Cond. B MIL-STD-202, Meth. 101, Cond. B MIL-STD-202, Meth. 204, Cond.D MIL-STD-202, Meth. 213, Cond. I MIL-STD-202, Meth. 106

compliant

Single or 100