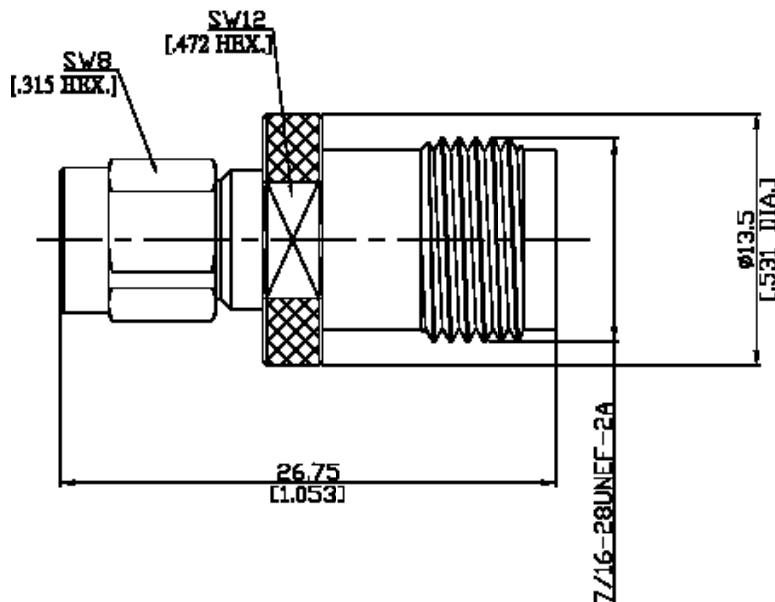


## SMA Reverse-Polarity Plug (RP Male) to TNC Jack (Female) Adapter DC-11GHz VSWR 1.20

### AD-A5T25A/H44-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

According to

RP SMA (derived)  
IEC 60169-15; MIL-STD-348A/310

TNC  
IEC 60169-17; MIL-STD-348A/313

#### Electrical Data

Impedance

50 Ω

Frequency

DC to 11 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.05 x √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 3 mΩ, RP SMA Side

≤ 1.5 mΩ, TNC Side

Outer Contact Resistance

≤ 2 mΩ, RP SMA Side

≤ 1 mΩ, TNC Side

Test Voltage (at sea level)

1000 V rms

Working Voltage (at sea level)

480 V rms

#### Material And Plating

Piece Parts (RP SMA)	Material	Plating
Centre contact	Phosphor Bronze	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 (TNC)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 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. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:1.0

Date:

19/11/10

Rosnol RF/Microwave Technology

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Page

1/2

SMA Reverse-Polarity Plug (RP Male) to TNC Jack (Female) Adapter  
DC-11GHz VSWR 1.20

## AD-A5T25A/H44-H4

## Mechanical Data

	RP SMA Side	TNC Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Coupling Nut Retention	≥ 270 N	N/A
Center Contact Captivation: axial	≥ 27 N	≥ 27 N
Weight	N/A	
Coupling Test Torque	1.7 Nm max.	1.7 Nm max.
Recommended Torque	0.56 Nm	1.36 Nm

## Environmental Data

Temperature Range	-65 °C to +165 °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