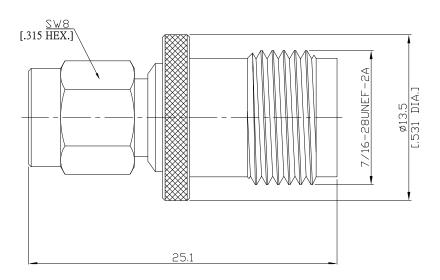


### Technical Data Sheet

## SMA plug (male) / TNC R/P jack (female) Adapter DC-11 GHz VSWR1.20

# AD-A1T75A / 111-14



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

Impedance

SMA according to TNC according to

Electrical Data

Frequency VSWR (Return Loss) Insertion Loss Insulation Resistance

Center Contact Resistance
Outer Contact Resistance

Test Voltage Working Voltage Power handling IEC 60169-15; MIL-STD-348B/310 IEC 60169-17; MIL-STD-348B/313

50 Ω

DC to 11 GHz  $\leq$  1.20 ( $\geq$  20.83 dB)  $\leq$  0.04 x  $\sqrt{F}$  (GHz) dB

≥ 5 GΩ

 $\leq$  3.0 m $\Omega$ , SMA Side  $\leq$  2.0 m $\Omega$ , SMA Side 1000 V rms 480 V rms

≤ 80 W @ 2 GHz

 $\leq$  1.5 m $\Omega$ , TNC R/P side  $\leq$  1 m $\Omega$ , TNC R/P side

### Material And Plating

maioriai ma mainig		
Piece Parts (SMA)	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 80 µinch)
Piece Parts (SSMB)	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	

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In the effort to improve our products, we reserve the right to make changes	Date:	Phone: +886-3-463-5095 / Fax: +886-3-463-5952	1 /2
judged to be necessary.		N-CAGE Code: SFKK0 / ISO9001 Certified	1/2



### Technical Data Sheet

## SMA plug (male) / TNC R/P jack (female) Adapter DC-11 GHz VSWR1.20

# AD-A1T75A / 111-14

### 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 Screw-lock ≥ 500 ≥ 270 N ≥ 27 N max. 1.7 Nm 0.8 Nm to 1.1 Nm

-65°C to +165°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

Single or 100

compliant

TNC R/P Side Screw-lock ≥ 500 N/A ≥ 27 N max. 1.7 Nm

0.46 Nm to 0.69 Nm

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knowledge, but they are intended for general informational purposes only
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Date: