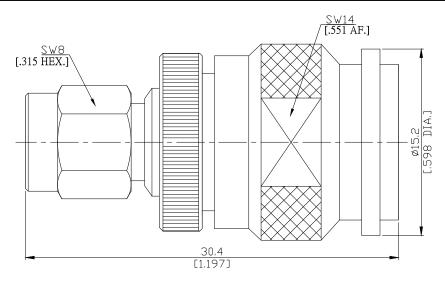


Technical Data Sheet

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

AD-A1T55A / H11-H44



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
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

≤ 3.0 mΩ, SMA Side ≤ 2.0 mΩ, SMA Side 1000 V rms 480 V rms

≤ 80 W @ 2 GHz

 \leq 1.5 m Ω , TNC R/P side \leq 1 m Ω , TNC R/P side

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Phosphor Bronze	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 (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	
Gasket	Silicone Rubber	
Coupling nut	Brass	Copper-Tin-Zinc Alloy

The facts and figures herein are carefully compiled to the best of our	L KOV.	Rosnol RF/Microwave Technology Co., Ltd.	Page
knowledge, but they are intended for general informational purposes only.		www.rosnol.com; info@rosnol.com	
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 plug (male) Adapter DC-11 GHz VSWR1.20

AD-A1T55A / H11-H44

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 $\geq 270 \text{ N}$ $\geq 27 \text{ N}$ 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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