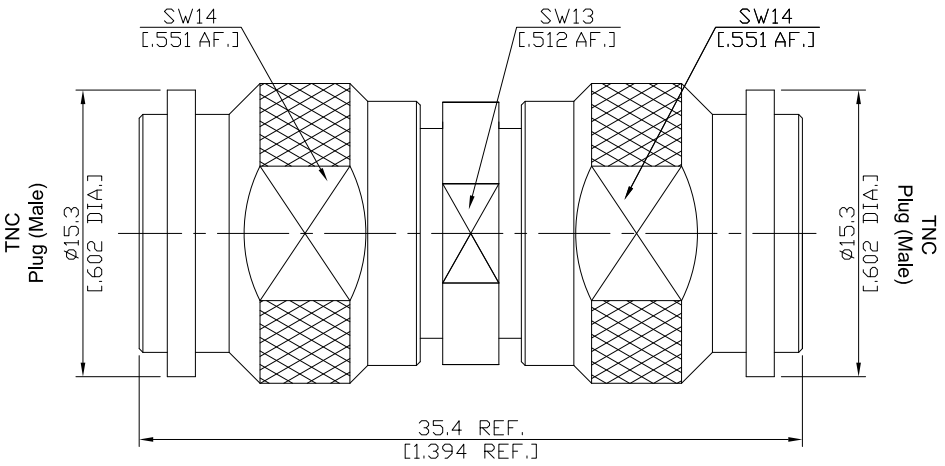
ROSNOL® RF/Microwave Interconnect

Technical Data Sheet

TNC Plug (Male) to TNC Plug (Male), Straight Adapter, DC–11 GHz, VSWR 1.25

AD-T1T15A / 1XX-1XX



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 61169-17, CECC22200, MIL-PRF-39012, MIL-STD-348B/313, DIN EN 122200

Electrical Data

Impedance	50 Ω
Frequency	DC to 11 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.06 x √F (GHz) dB
Insulation Resistance	≥ 5 G Ω
Center Contact Resistance	≤ 1.5 mΩ
Outer Contact Resistance	≤ 1 mΩ
Test Voltage	1500 V rms
Working Voltage	500 V rms
Power Handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

Material and Plating

Piece Parts (TNC)	Material	Plating
Centre Contact	Brass	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated

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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.

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TNC Plug (Male) to TNC Plug (Male), Straight Adapter, DC–11 GHz, VSWR 1.25

AD-T1T15A / 1XX-1XX

Mechanical Data	
Coupling Mechanisms	Screw-On
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 15 N
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.46 Nm to 0.69 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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture Resistance	MIL-STD-202, Method 106
RoHS	Compliant
Packing	
	Single or 100

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