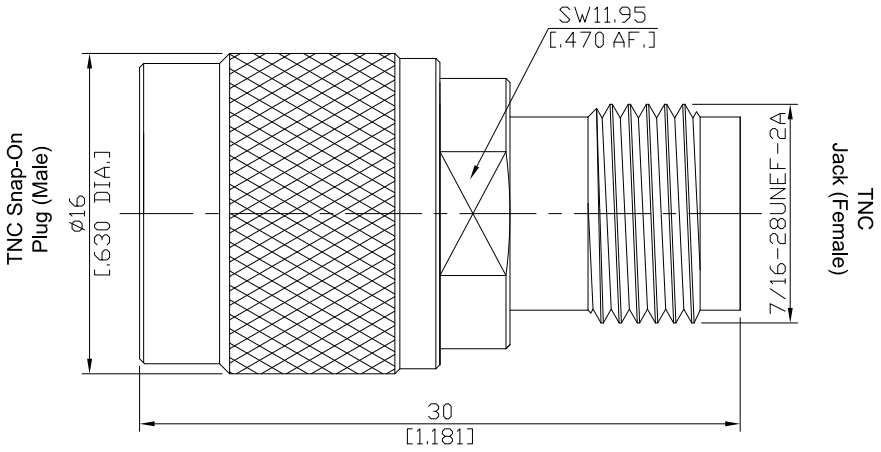
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

TNC Jack (Female) / TNC Jack (Female) Straight Adapter
DC-11 GHz, VSWR ≤ 1.25

AD-TQ1T25A / H44-H4



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 EN122200

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	≤ 80 W @ 2 GHz

Material And Plating

Piece Parts (TNC Snap-On)	Material	Plating
Centre Contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Shell	Brass	Copper-Tin-Zinc Alloy
Piece Parts (TNC)	**Material**	**Plating**
Centre Contact	Phosphor Bronze	Gold plating (Non-magnetic nickel-phosphorus underplating)
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.

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

	TNC Snap-On Side	TNC Side
Coupling Mechanisms	Snap-On	Screw-On
Mating Cycles	≥ 500	≥ 500
Center Contact Captivation: axial	≥ 15 N	≥ 15 N
Coupling Test Torque	N/A	max. 1.7 Nm
Recommended Torque	N/A	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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