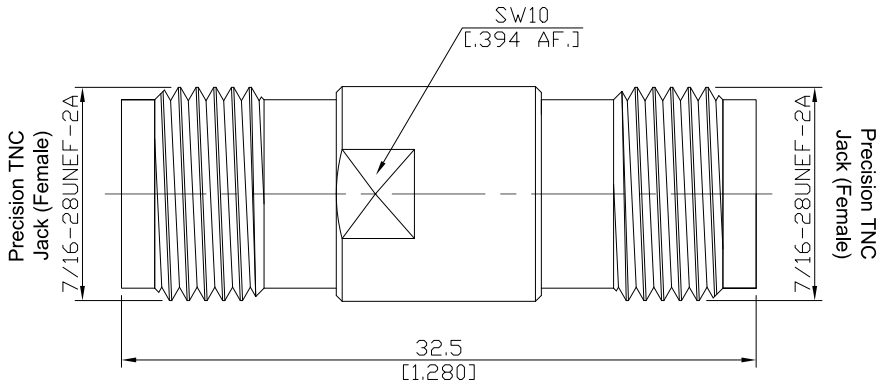
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Precision TNC Jack (Female) to Precision TNC Jack (Female), Straight Adapter, DC–18 GHz, VSWR 1.35

AD-PCT2PCT25B / 93-93



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

Interface

According to	IEC 61169-26; CECC 22200; MIL-PRF-39012; MIL-STD-348B/406

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.35 (≥ 16.54 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

Material And Plating

Piece Parts (Precision TNC)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Piece Parts (Precision TNC)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	Nickel

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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, Method 107, Cond. B
Corrosion	MIL-STD-202, Method 101, Cond. B
Vibration	MIL-STD-202, Method 204, Cond. B
Shock	MIL-STD-202, Method 213, Cond. G
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant
Packing	
	Single or 100

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