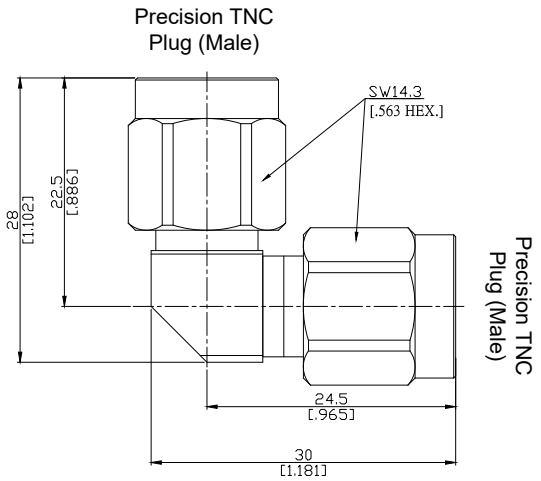
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

Precision TNC plug (male) / Precision TNC plug (male) Adapter
Mitered Rightangle Adapter DC-18GHz VSWR1.25

ASL-PCT1PCT15A / 9XX-9XX



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

Interface

According to	IEC 60169-26; MIL-STD-348B/313

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.1 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 0.2 mΩ
Working Voltage	≤ 500 V rms
Dielectric Withstanding Voltage	≤ 1500 V rms

Material And Plating

Piece Parts (Precision TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Coupling nut	Stainless Steel	Passivated
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Coupling nut	Stainless Steel	Passivated

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Maximum torque	1.70 Nm
Recommended torque	0.55 Nm
Gauge	5.18 mm to 5.28 mm
Environmental Data	
Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant
Packing	
	Single or 100

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