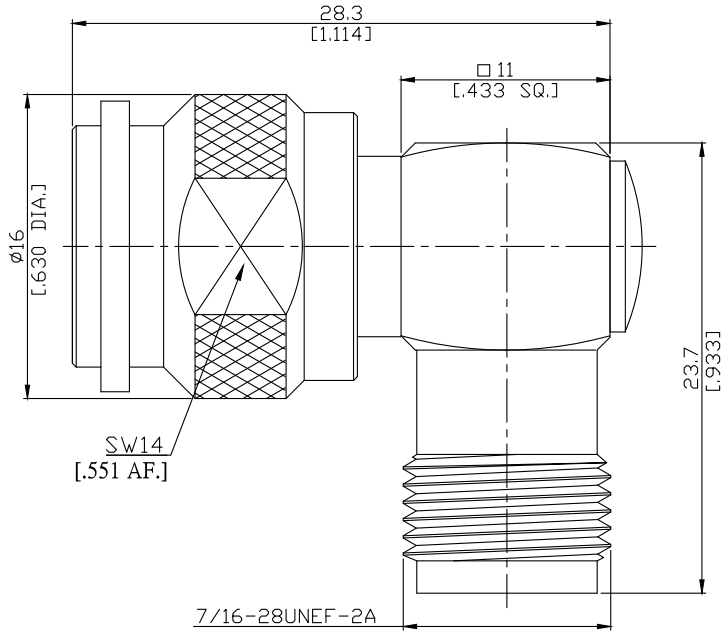
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

TNC plug (male) / TNC jack (female) L-adaptor, 75 Ω DC-3GHz

ADL-T1T27A / 144-94



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

Interface

According to	MIL-STD-348B/332

Electrical Data

Impedance	75 Ω
Frequency	DC to 3 GHz
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 1.5 mΩ
Outer Contact Resistance	≤ 1 mΩ
Test Voltage	1500 V rms
Working Voltage (at sea level)	500 V rms
Power Handling	≤ 80 W @ 2 GHz

Material And Plating

Piece Parts (TNC)	Material	Plating
Centre contact	Brass	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
Piece Parts (TNC)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 27 N
Coupling Test Torque	1.7 Nm Max.
Coupling Torque Recommended	0.46 Nm to 0.69 Nm

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

Weight

N/A

Packing

Single or 100

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