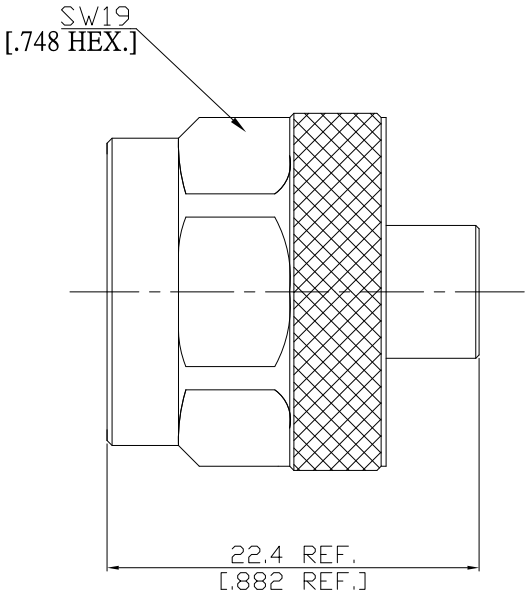
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

1 Watt RF Load Up to 12.4 GHz With N Male

T-N15-12.4G1WA / 144



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

Interface

According to	IEC 60169-16;MIL-STD-348/304;CECC 22 210

Electrical Data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
VSWR (Return Loss)	≤ 1.2 (≥ 20.83 dB)
Center Contact Resistance	≤ 1 mΩ
Outer Contact Resistance	≤ 0.25 mΩ
Power handling (at 25°C , sea level)	1 Watt

Material And Plating

Piece Parts	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 100 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone Rubber	

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating Cycles	min. 500
Coupling nut retention	≥ 450 N
Center Contact Captivation: axial	≥ 28 N
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.7 Nm to 1.1 Nm
Environmental Data	
Temperature Range	-55°C to +125°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 B
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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