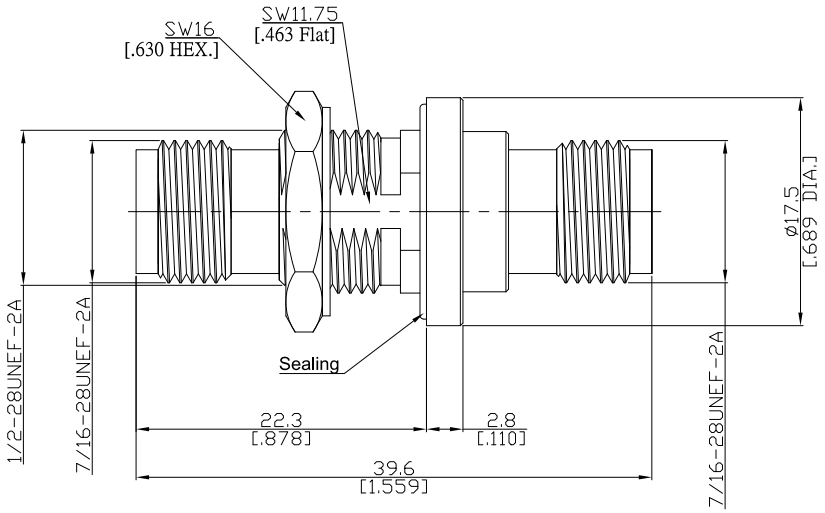
ROSNOL®
RF/Microwave Interconnect

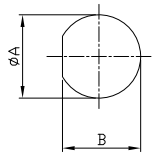
Technical Data Sheet

Bulkhead Mount Hermetically Sealed TNC Jack (Female) to TNC Jack (Female) Adapter DC-11 GHz, VSWR ≤ 1.44

ADH-T2T25A-BHS / 93-93



Mounting Dimension



	mm		inch	
	Max.	Min.	Max.	Min.
A	12.8	12.7	.504	.50
B	12.1	12	.476	.472

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

Interface

According to	IEC 61169-17;CECC 22 200;MIL-PRF-39012;TNC-Interface MIL-STD-348/313

Electrical Data

Impedance	50 Ω
Frequency	DC to 11 GHz
VSWR (Return Loss)	≤ 1.44 (> 14.88 dB)
Insertion Loss	≤ 0.06 x √F (GHz) dB
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 (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

Material And Plating

Piece Parts (TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Fastening nut	Brass	Nickel
Washer	Brass	Nickel
Glass seal	Glass	

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

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 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, 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 G
Moisture resistance	MIL-STD-202, Method 106
Leakage rate	Leak rate not to exceed 1x10^-7 cc/sec of helium at 1 atm differential
RoHS	compliant
Packing	
	Single or 100

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