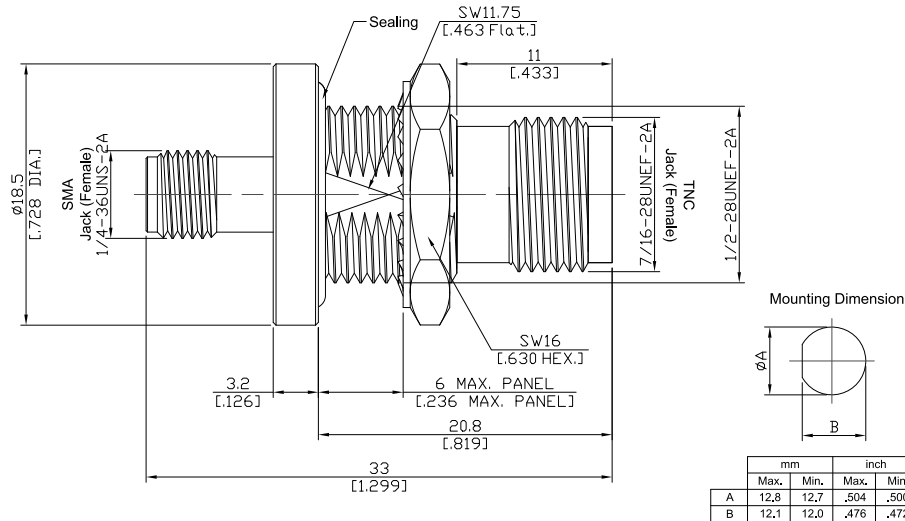


SMA Jack (Female) to TNC Jack (Female) Bulkhead Mount Adapter,
DC-11GHz, VSWR 1.2

AD-A2T25B-BHS / 93-93



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

Interface

SMA According to
TNC According to

IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110
IEC 60169-17; MIL-STD-348B/313

Electrical Data

Impedance	50 Ω	
Frequency	DC to 11 GHz	
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)	
Insertion Loss	$\leq 0.1 \times \sqrt{F}$ (GHz) dB	
Insulation Resistance	≥ 5 G Ω	
Center Contact Resistance	≤ 3.0 m Ω , SMA Side	≤ 1.5 m Ω , TNC side
Outer Contact Resistance	≤ 2.0 m Ω , SMA Side	≤ 1 m Ω , TNC side
Test Voltage	1000 V rms	
Working Voltage	480 V rms	
Power handling	≤ 80 W @ 2 GHz	

Material And Plating

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

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DC-11GHz, VSWR 1.2

AD-A2T25B-BHS / 93-93

Mechanical Data

	SMA Side	TNC Side
Coupling mechanisms	Screw-On	Screw-On
Mating Cycles	≥ 500	≥ 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Coupling test torque	max. 1.7 Nm	max. 1.7 Nm
Recommended torque	0.57 Nm	0.69 Nm

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100