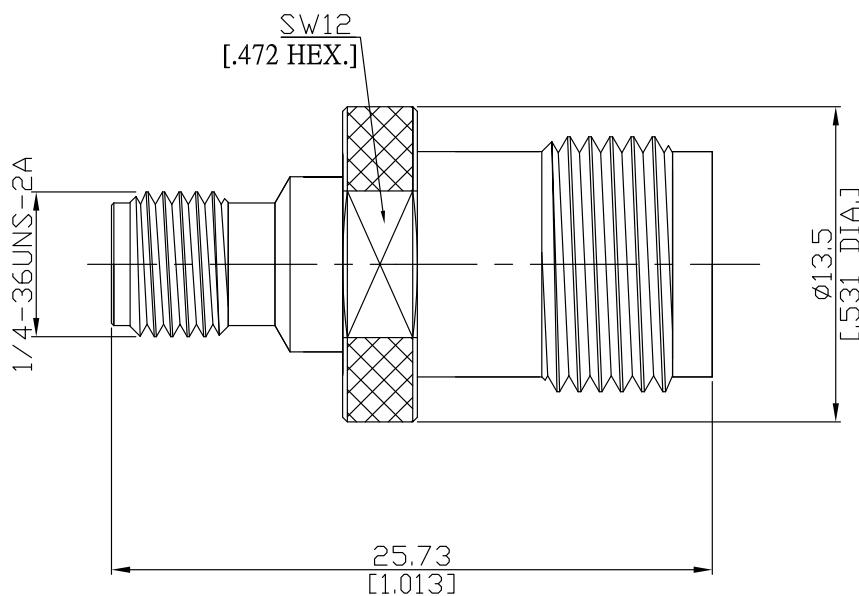


SMA jack (female) / TNC jack (female)
Adapter DC-11 GHz VSWR1.20

AD-A2T25A / 91-93



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to	IEC 60169-15; MIL-STD-348B/310
TNC according to	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	≤ 0.04 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 1.5 mΩ, TNC side
Outer Contact Resistance	≤ 2.0 mΩ, SMA Side	≤ 1 mΩ, 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, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	
Piece Parts (TNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	

SMA jack (female) / TNC jack (female)
Adapter DC-11 GHz VSWR 1.20

AD-A2T25A / 91-93

Mechanical Data

Coupling mechanisms	SMA Side	TNC Side
Mating Cycles	Screw-lock	Screw-lock
Coupling nut retention	≥ 500	≥ 500
Center contact captivation: axial	≥ 270 N	N/A
Coupling test torque	≥ 27 N	≥ 27 N
Recommended torque	max. 1.7 Nm	max. 1.7 Nm
	0.8 Nm to 1.1 Nm	0.46 Nm to 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