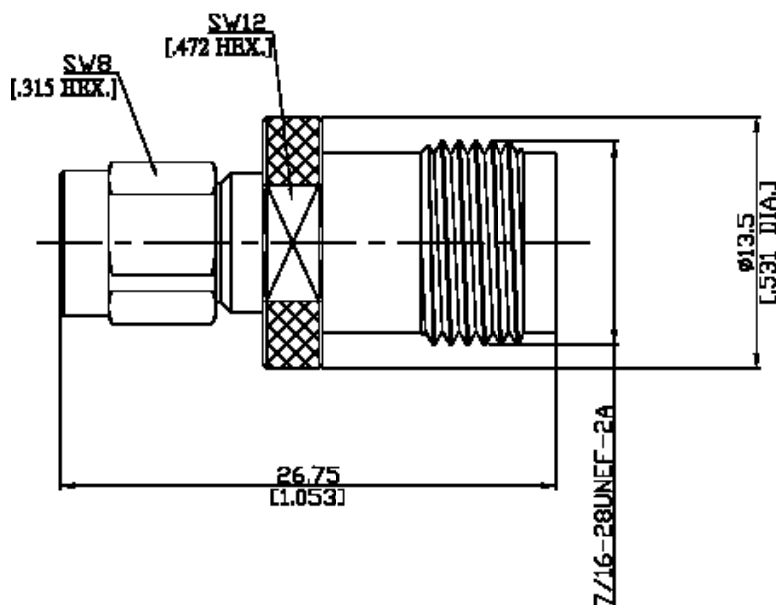


SMA Reverse-Polarity Plug (RP Male) to TNC Jack (Female) Adapter
DC-11 GHz VSWR 1.20

AD-A5T25A/H44-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

Electrical Data

Impedance

Frequency

VSWR (Return Loss)

Insertion Loss

Insulation Resistance

Center Contact Resistance

Outer Contact Resistance

Test Voltage (at sea level)

Working Voltage (at sea level)

RP SMA (derrived)

IEC 60169-15; MIL-STD-348A/310

TNC

IEC 60169-17; MIL-STD-348A/313

50 Ω

DC to 11 GHz

≤ 1.20 (≥ 20.83 dB)

≤ 0.05 x √F (GHz) dB

≥ 5 GΩ

≤ 3 mΩ, RP SMA Side

≤ 2 mΩ, RP SMA Side

1000 V rms

480 V rms

≤ 1.5 mΩ, TNC Side

≤ 1 mΩ, TNC Side

Material And Plating

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

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Mechanical Data

	RP SMA Side	TNC Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Coupling Nut Retention	≥ 270 N	N/A
Center Contact Captivation: axial	≥ 27 N	≥ 27 N
Weight	N/A	
Coupling Test Torque	1.7 Nm max.	1.7 Nm max.
Recommended Torque	0.56 Nm	1.36 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