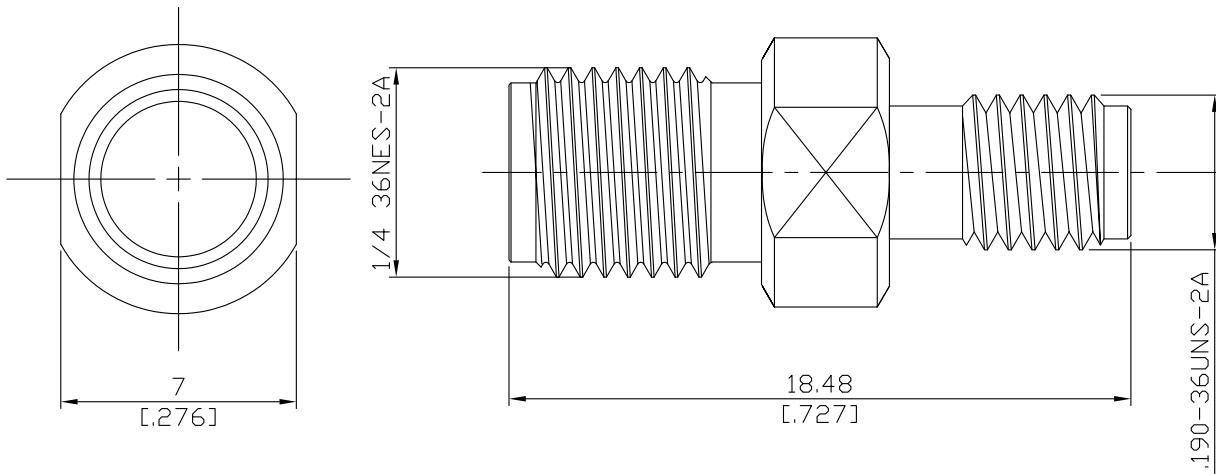


SMA jack (female) / SSMA jack (female)
Adapter DC-18GHz VSWR1.20

AD-A2SA25A / 91-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

InterfaceSMA according to
SSMA according toIEC 60169-15; MIL-STD-348B/310
MIL-STD-348B/319**Electrical Data**

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.20 (≥ 20 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 3.0 mΩ, SSMA Side
Outer Contact Resistance	≤ 3.0 mΩ, SMA Side	≤ 3.0 mΩ, SSMA Side
Test Voltage (at sea level)	1000 V rms	
Working Voltage (at sea level)	480 V rms	
Power handling	≤ 200 W @ 2 GHz	
RF-leakage	≥ 100 dB up to 1 GHz	

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Piece Parts (SSMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	SMA Side	SSMA Side
Mating Cycles	Screw-lock	Screw-lock
Center Contact Captivation: axial	≥ 500	≥ 500
radial	≥ 28 N	≥ 28 N
Coupling Test Torque	≥ 3 Ncm	≥ 3 Ncm
Recommended Torque	1.7 Nm max.	1.7 Nm max.
	0.9 Nm	0.9 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 D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100