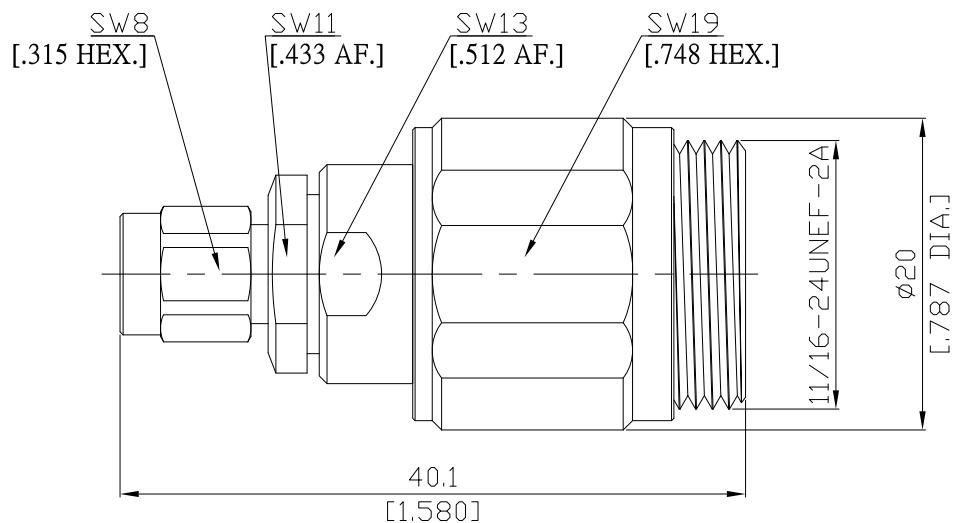


SMA plug (male) / 7mm sexless Adapter
 DC-18GHz VSWR1.15

AD-A1P7X5A / 9XX-9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

 Mechanically compatible with
 According to

7mm Side

 N/A
 IEC 457-2

SMA Side

 2.92mm and 3.5mm
 IEC 60169-15, MIL-STD-348B/310

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.15 (≥ 23.1 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Test voltage	1000 V rms
Working voltage	480 V rms
RF Leakage	≥ 90 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	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (7mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Coupling nut	Stainless Steel	Passivated

SMA plug (male) / 7mm sexless Adapter
DC-18GHz VSWR1.15

AD-A1P7X5A / 9XX-9XX

Mechanical Data

Coupling mechanisms	SMA Side	7mm side
Mating Cycles	Screw-lock	Screw-lock
Coupling Nut Retention	≥ 500	≥ 5000
Center Contact Captivation	≥ 270 N	N/A
Coupling Test Torque	≥ 28 N	≥ 28 N
Recommended Torque	1.70 Nm	1.95 Nm
	0.80 Nm to 1.10 Nm	1.36 Nm

Environmental Data

Temperature Range	-55°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

Standard	Single
Weight	N/A