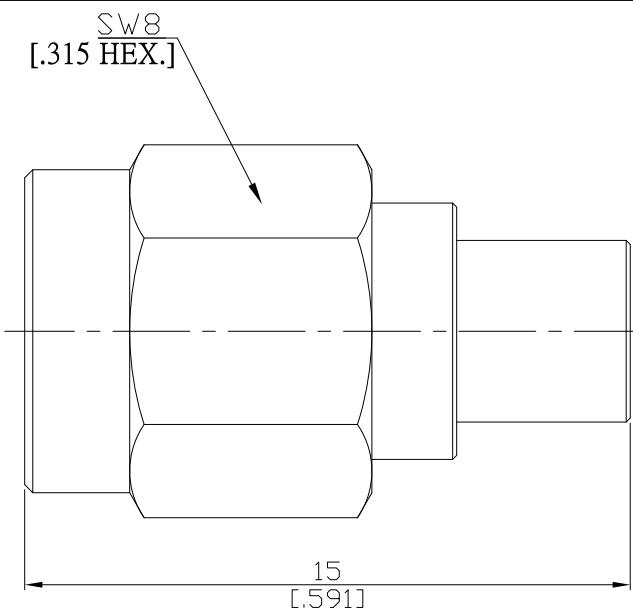


SMA plug (male) / SMP plug (male) Smooth bore  
Adapter DC-18GHz VSWR1.20

## AD-A1PS15A / 1XX-1X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

According to

SMA Side  
IEC 60169-15; MIL-STD-348A/310SMP Side  
MIL-STD-348B/326 (Smooth bore)

## Electrical Data

Impedance	50 Ω	
Frequency	DC to 18 GHz	
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)	
Insertion Loss	≤ 0.05 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 3.0 mΩ, SMA Side	N/A, SMP Side
Outer Contact Resistance	≤ 2.0 mΩ, SMA Side	N/A, SMP Side
Test Voltage (at sea level)	500 V rms	
Working Voltage (at sea level)	250 V rms	

## Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Brass	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 (SMP)	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

**SMA plug (male) / SMP plug (male) Smooth bore  
Adapter DC-4GHz VSWR1.35**

**AD-A1PS15A / 1XX-1X**

**Mechanical Data**

	SMA Side	SMP Side
Coupling mechanisms	Screw-lock	Snap-on
Mating Cycles	≥ 500	if mated with Smooth bore or Catcher's Mitt: ≥ 1000 if mated with Limited detent: ≥ 500 if mated with Full detent: ≥ 100
Coupling Nut Retention	N/A	N/A
Center Contact Captivation: axial	≥ 28 N	≥ 7 N
Weight	N/A	
Coupling Test Torque	1.7 Nm max.	N/A
Recommended Torque	0.9 Nm	N/A

**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**

Single or 100