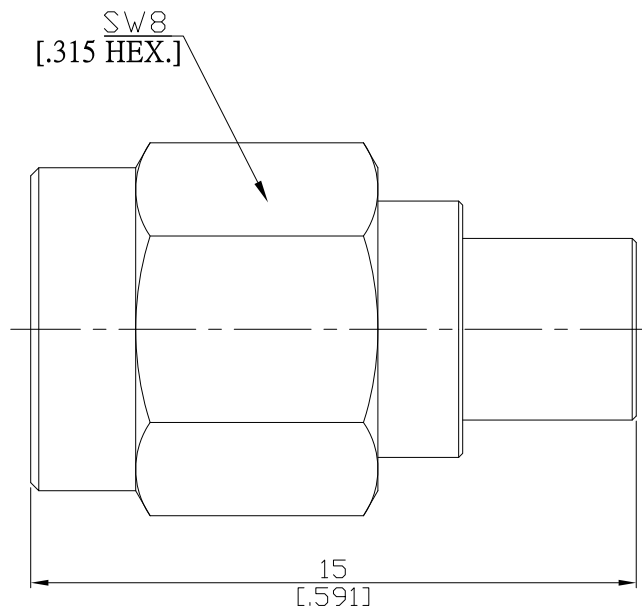


SMA plug (male) / SMP plug (male) Smooth bore
Adapter DC-18GHz VSWR1.20

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/310

SMP 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)

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)

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