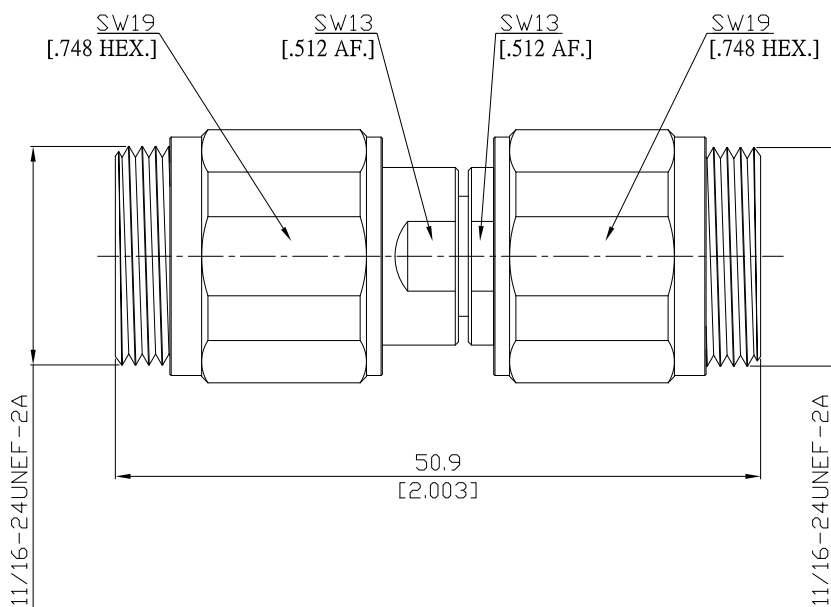


7mm sexless / 7mm sexless Adaptors Straight DC-18GHz VSWR1.29

**AD-P7SP7S5A / 9XX-9XX**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

N/A

**Electrical Data**

Impedance

50  $\Omega$

Frequency

DC to 18 GHz

VSWR (Return Loss)

$\leq 1.29$  ( $\geq 28$  dB)

Insertion Loss

$\leq 0.05 \times \sqrt{F}$  (GHz) dB

Insulation Resistance

$\geq 5$  G $\Omega$

Test Voltage (at sea level)

2500 V rms

Working Voltage (at sea level)

1000 V rms

RF Leakage

$\geq 120$  dB up to 1 GHz

**Material And Plating**

Piece Parts (7mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PS	
Coupling nut	Stainless Steel	Passivated
Piece Parts (7mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PS	
Coupling nut	Stainless Steel	Passivated

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**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 28 N
Coupling Test Torque	1.95Nm
Recommended Torque	1.36 Nm

**Environmental Data**

Temperature Range	-40°C to +85°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