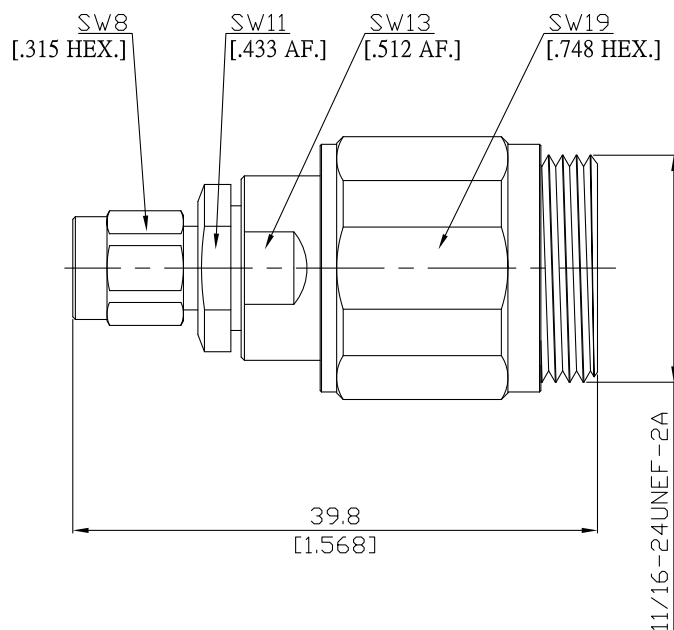


3.5mm plug (male) / 7mm sexless
Adapter Straight DC-18 GHz VSWR1.15

AD-PC1P7S5A / 9XX-9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

3.5mm according to

IEC 60169-23

7mm according to

IEC 457-2

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.04 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Test voltage

1000 V rms

Working voltage

335 V rms

RF-leakage

≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (3.5mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (7mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Coupling nut	Stainless Steel	Passivated

3.5mm plug (male) / 7mm sexless
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Mechanical Data

Coupling mechanisms	3.5mm side	7mm side
Mating Cycles	Screw-lock	Screw-lock
Center contact captivation	≥ 500	≥ 5000
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	-65°C to +125°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 204, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100