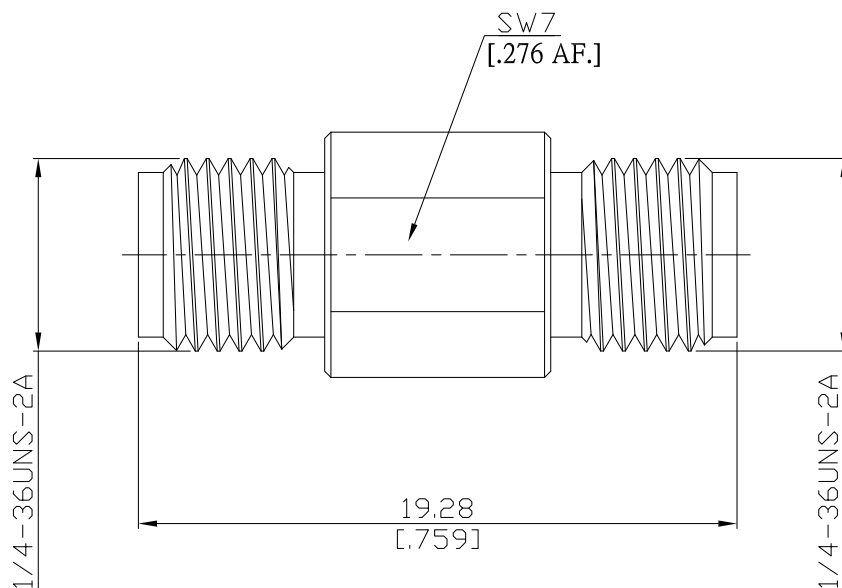


3.5mm jack (female) / Precision SMA jack (female)
Adapter Straight DC-27 GHz VSWR1.15

AD-PC2PCA25A / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

3.5mm according to

IEC 60169-23

Precision SMA according to

IEC 60169-15; MIL-STD-348A/310

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

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

Insulation resistance

≥ 5 G Ω

Test voltage

1000 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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PS	
Piece Parts (Precision SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

3.5mm jack (female) / Precision SMA jack (female)
Adapter Straight DC-27 GHz VSWR1.15

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Mechanical Data

Coupling mechanisms	3.5mm side	Precision SMA side
Mating Cycles	Screw-lock	Screw-lock
Center contact captivation	≥ 500	≥ 500
Coupling test torque	≥ 28 N	≥ 27 N
Recommended Torque	1.70 Nm	max. 1.7 Nm
	0.80 Nm to 1.10 Nm	0.8 Nm to 1.1 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