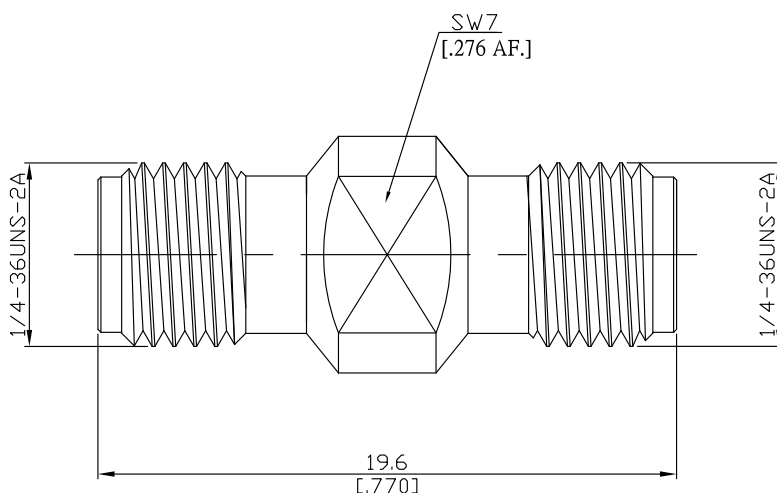




Precision SMA Jack (Female) to Precision SMA Jack (Female) Adapter
DC-27GHz VSWR1.15

AD-PCA2PCA25B / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Mechanically compatible with

2.92mm, 3.5mm

According to

IEC 60169-15; CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

Electrical Data

Impedance

50 Ω

Frequency

DC to 27 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

$\leq 0.04 \times \sqrt{f}$ (GHz) dB

Insulation Resistance

≥ 5 G Ω

Center Contact Resistance

≤ 3 m Ω

Outer Contact Resistance

≤ 2 m Ω

Test Voltage (at sea level)

1000 V rms

Working Voltage (at sea level)

480 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

≤ 200 W @ 2 GHz

RF Leakage

≥ 100 dB up to 1 GHz

Material And Plating

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/PEI	
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/PEI	

Precision SMA Jack (Female) to Precision SMA Jack (Female) Adapter
DC-27GHz VSWR1.15

AD-PCA2PCA25B / 9X-9X

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 270 N
Center Contact Captivation: axial	≥ 27 N
radial	≥ 3 N.cm.
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°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