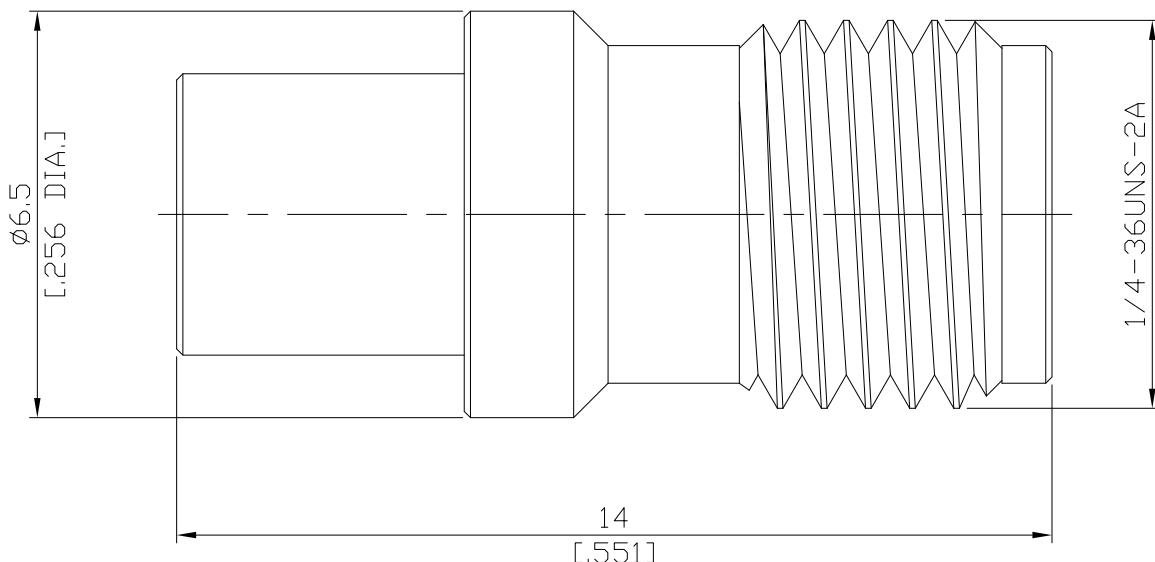


SMP plug (male)Full Detent / SMA jack (female)
Adapter DC-18 GHz VSWR1.19

AD-PF1A25A / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMP side according to

MIL-STD-348A/326 (Full Detent)

SMA side according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.19 (≥ 21.2 dB)

Insertion Loss

≤ 0.05 x √f (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 6 mΩ, SMP side;

≤ 3 mΩ, SMA side

Outer contact resistance

≤ 2 mΩ, SMP side;

≤ 2 mΩ, SMA side

Material And Plating

Piece Parts (SMP)

Material

Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body

Stainless Steel

Passivated

Insulator

PTFE

Piece Parts (SMA)

Material

Plating

Centre contact

Beryllium Copper

Gold plating, 3 µinch

(Non-magnetic nickel-phosphorus underplating, 80 µinch)

Body

Stainless Steel

Passivated

Insulator

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Mechanical Data

Coupling mechanisms	SMP (Full detent) Side	SMA Side
Mating Cycles	Snap-on	Screw-lock
Center contact captivation axial	≥ 100	min. 500
Coupling test torque	≥ 7 N	≥ 27 N
Recommended torque	N/A	max. 1.7 Nm
Engagement force	N/A	0.8 Nm to 1.1 Nm
Disengagement force	68 N max.	N/A
	22 N min.	N/A

Environmental Data

Temperature Range	-65°C to +165°C
RoHS	compliant

Packing

Single or 100