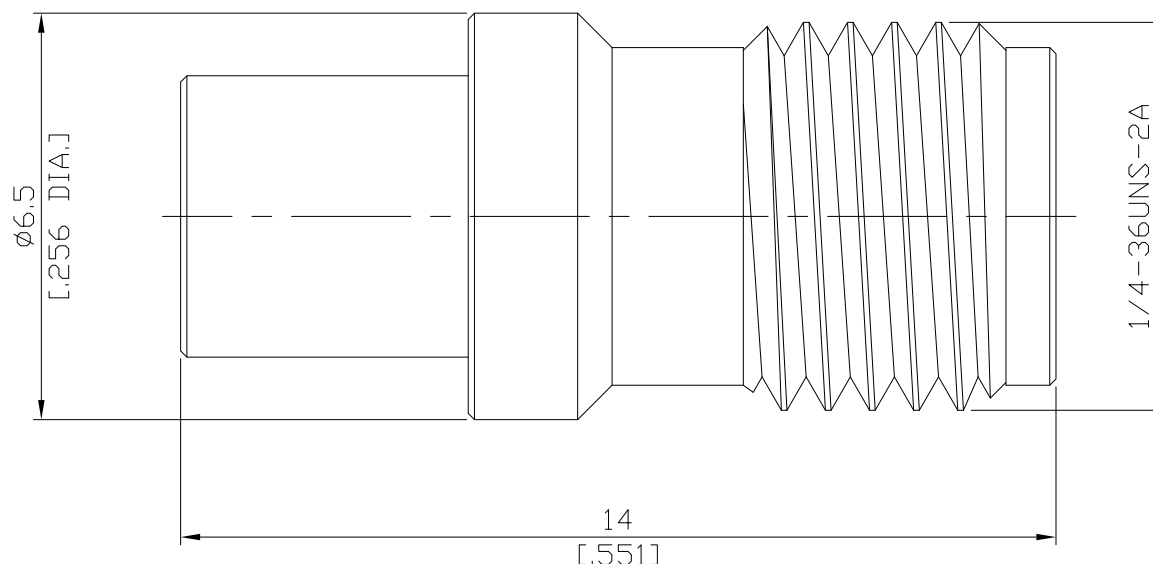


SMP plug (male) Full Detent / SMA jack (female)
Adapter DC-18 GHz VSWR1.19

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

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

Insulation resistance

≥ 5 G Ω

Center contact resistance

≤ 6 m Ω , SMP side;

≤ 3 m Ω , SMA side

Outer contact resistance

≤ 2 m Ω , SMP side;

≤ 2 m Ω , SMA side

Material And Plating

Piece Parts (SMP)	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	
Piece Parts (SMA)	Material	Plating
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Body	Stainless Steel	Passivated
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Mechanical Data

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

Environmental Data

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

Packing

Single or 100