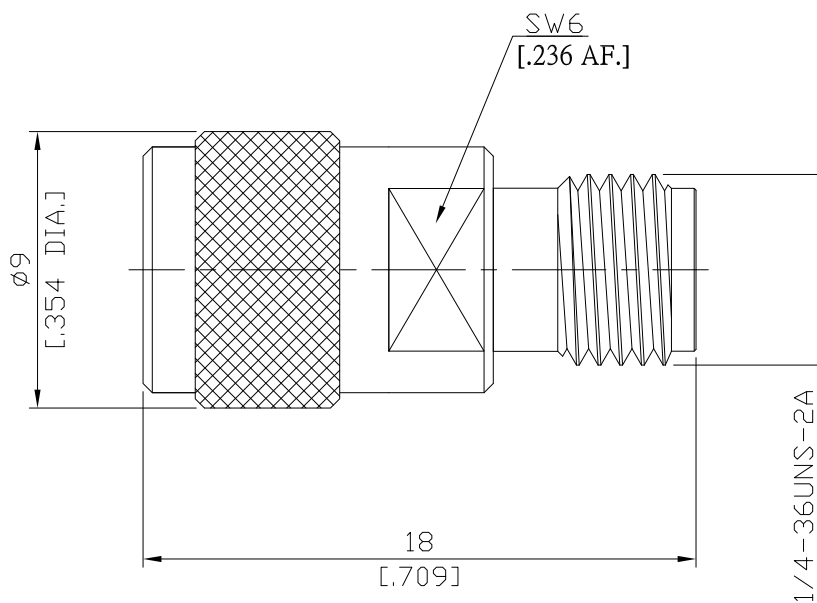


SSMA Snap-on plug (male) / SMA jack (female)
Adapter DC-18 GHz VSWR1.20

AD-SAQ1A25A / 991-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SSMA side according to

IEC 61169-18; MIL-STD-348B/319

SMA side according to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.83 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ, SSMA side;

≤ 3 mΩ, SMA side

Outer contact resistance

≤ 2 mΩ, SSMA side;

≤ 2 mΩ, SMA side

Material And Plating

Piece Parts (SSMA Snap-On)		Material	Plating
Centre contact		Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body		Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator		PTFE	
Gasket		Silicone Rubber	
Coupling nut		Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Piece Parts (SMA)		Material	Plating
Centre contact		Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body		Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator		PTFE	

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Mechanical Data

Coupling mechanisms	SSMA Snap-On Side	SMA Side
Mating Cycles	Snap-lock	Screw-lock
Center contact captivation axial	≥ 500	min. 500
Coupling test torque	N/A	≥ 27 N
Recommended torque	N/A	max. 1.7 Nm
		0.8 Nm to 1.1 Nm

Environmental Data

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

Packing

Single or 100