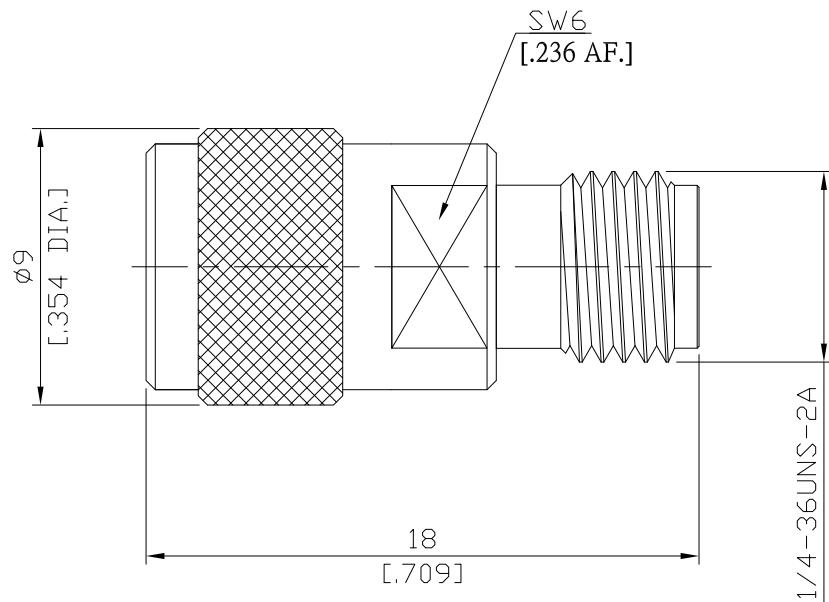


SSMA Snap-on plug (male) / SMA jack (female)
Adapter DC-18 GHz VSWR1.20

AD-SAQ1A25A / 991-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

InterfaceSSMA side according to
SMA side according toIEC 61169-18; MIL-STD-348B/319
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 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ, SSMA side;
Outer contact resistance	≤ 3 mΩ, SMA side ≤ 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 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
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