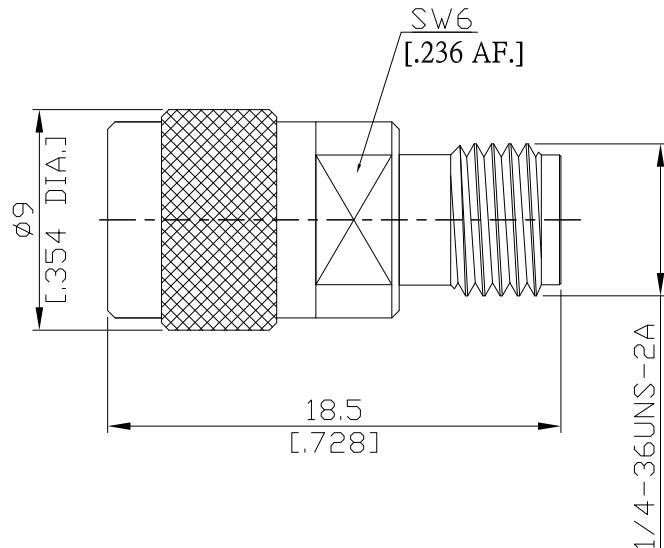


SMA Snap-on R/P plug (male) / SMA jack (female)
Straight Adaptor DC-18 GHz VSWR 1.15

AD-AQ5A25A / 991-91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

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

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23 dB)

Insertion loss

≤ 0.05 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 3 mΩ

Outer contact resistance

≤ 3 mΩ

Test voltage

1000 V rms

Working voltage

350 V rms

Material And Plating

Piece Parts (SMA Snap-On)

	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplatin)
Body	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplatin)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplatin)

Piece Parts (SMA)

	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplatin)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplatin)
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	SMA R/P Snap-On male	SMA female
Mating cycles	Snap-lock	Screw-lock
Center contact captivation	≥ 500	≥ 500

Environmental Data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100