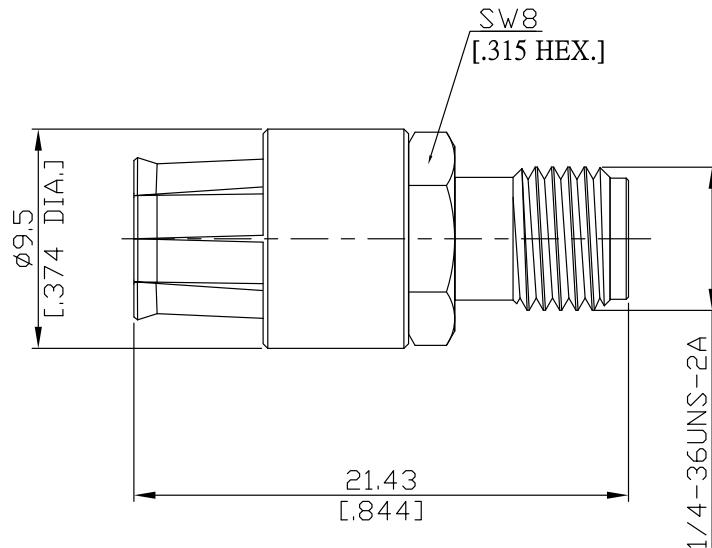


SMA Snap-on plug (male) / SMA jack (female)  
Straight Adaptor DC-18 GHz VSWR 1.15

## AD-AQ1A25B / 91X-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 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
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	PTFE	

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

## AD-AQ1A25B / 91X-91

## Mechanical Data

Coupling mechanisms	SMA 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