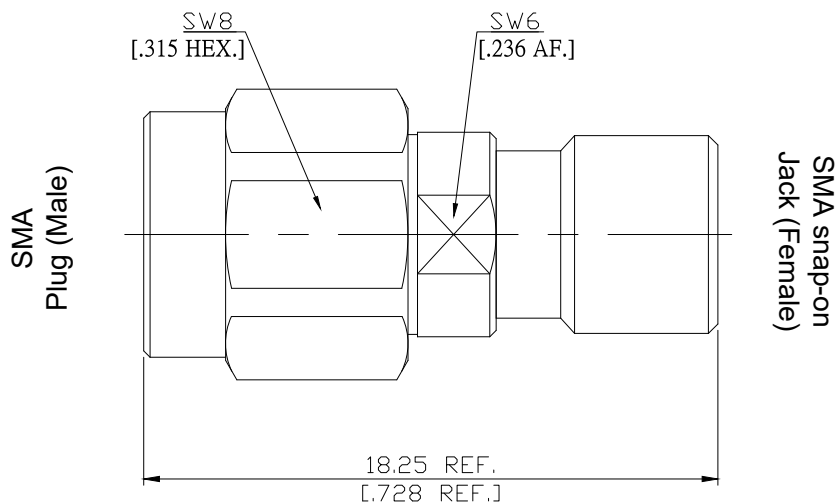


SMA plug (male) / SMA Snap-on jack (female)
Straight Adaptor DC-18 GHz VSWR 1.2

AD-A1AQ25A / 99X-9X



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)	≤ 1.2 (≥ 20.8 dB)
Insertion loss	≤ 0.05 × √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 underplating, 80 μinc)
Body	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 μinc)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (SMA Snap-On)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 μinc)
Body	Stainless Steel	Passivated
Insulator	PTFE	

SMA plug (male) / SMA Snap-on jack (female)
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Mechanical Data

Coupling mechanisms	SMA male	SMA Snap-On female
Mating cycles	Screw-lock	Snap-lock
Center contact captivation	≥ 500	≥ 500
	≥ 27 N	≥ 27 N

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