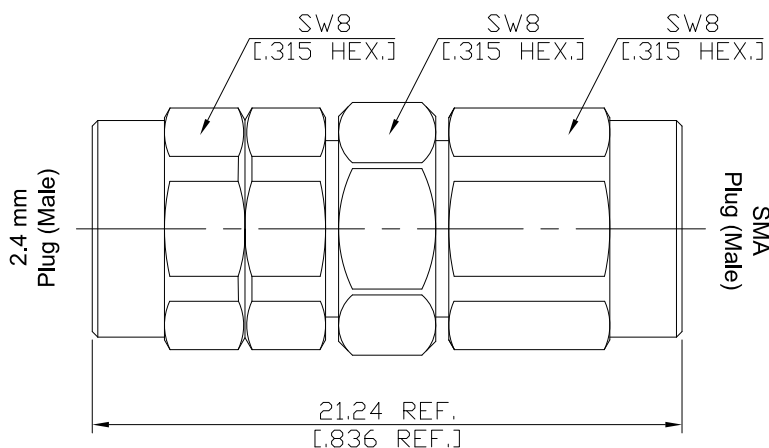


2.4mm Plug (Male) / SMA Plug (Male)  
Straight Adapter DC-18GHz VSWR1.15

**AD-Q1A15A / 9XX-9XX**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

2.4mm According to

IEC 61169-40; IEEE Std 287; MIL-STD-348B/324

2.4mm Mechanically compatible with

1.85 mm

SMA According to

IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110

SMA Mechanically compatible with

2.92 mm and 3.5 mm

**Electrical Data**

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.15 (≥ 23.13 dB)

Insertion Loss

≤ 0.05 × √F (GHz) dB

Insulation Resistance

≥ 5 GΩ

Center Contact Resistance

≤ 4 mΩ, 2.4mm side

≤ 3 mΩ, SMA side

Outer Contact Resistance

≤ 2.5 mΩ, 2.4mm side

≤ 2 mΩ, SMA side

Test Voltage (at sea level)

500 V rms

Working Voltage (at sea level)

150 V rms

RF Leakage

≥ 100 dB up to 1 GHz

**Material And Plating**

Piece Parts (2.4mm)		Material	Plating
Centre contact		Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body		Stainless Steel	Passivated
Insulator		PEI	
Gasket		Silicone Rubber	
Coupling nut		Stainless Steel	Passivated
Piece Parts (SMA)		Material	Plating
Centre contact		Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body		Stainless Steel	Passivated
Insulator		PTFE	
Gasket		Silicone Rubber	
Coupling nut		Stainless Steel	Passivated

2.4mm Plug (Male) / SMA Plug (Male)  
Straight Adapter DC-18GHz VSWR1.15

**AD-Q1A15A / 9XX-9XX**

**Mechanical Data**

	2.4mm Side	SMA Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Center Contact Captivation	≥ 20 N	≥ 20 N
Coupling Test Torque	1.65 Nm max.	1.70 Nm max.
Recommended Torque	0.80 Nm to 1.10 Nm	0.80 Nm to 1.10 Nm

**Environmental Data**

Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

**Packing**

Single or 100