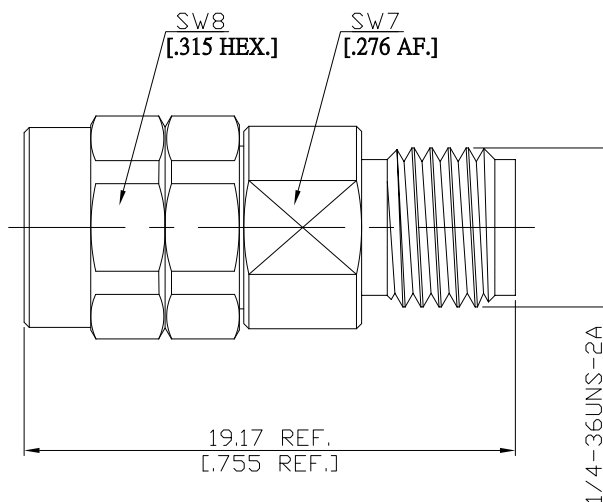


2.4mm Plug (Male) to 3.5mm Jack (Female) Adapter  
DC-34.5GHz VSWR1.15

**AD-Q1PC25A / 9XX-9X**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

Mechanically compatible with  
According to

2.4mm Side  
1.85mm  
IEC 61169-40, IEEE Std 287

3.5mm Side  
2.92mm and SMA  
IEC 60169-23, IEEE Std 287

**Electrical Data**

Impedance 50  $\Omega$   
Frequency DC to 34.5 GHz  
VSWR (Return Loss)  $\leq 1.15$  ( $\geq 23.13$  dB)  
Insertion Loss  $\leq 0.05 \times \sqrt{F}$  (GHz) dB  
Insulation Resistance  $\geq 5$  G $\Omega$   
Test Voltage (at sea level) 500 V rms  
Working Voltage (at sea level) 150 V rms  
RF Leakage  $\geq 100$  dB up to 1 GHz  
Power Handling 19W

**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 (3.5mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	

2.4mm Plug (Male) to 3.5mm Jack (Female) Adapter  
DC-34.5GHz VSWR1.15

**AD-Q1PC25A / 9XX-9X**

**Mechanical Data**

	2.4mm Side	3.5mm Side
Coupling mechanisms	Screw-lock	Screw-lock
Mating Cycles	≥ 500	≥ 500
Center Contact Captivation	≥ 27 N	≥ 27 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	-55°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**

Standard	Single or 100
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