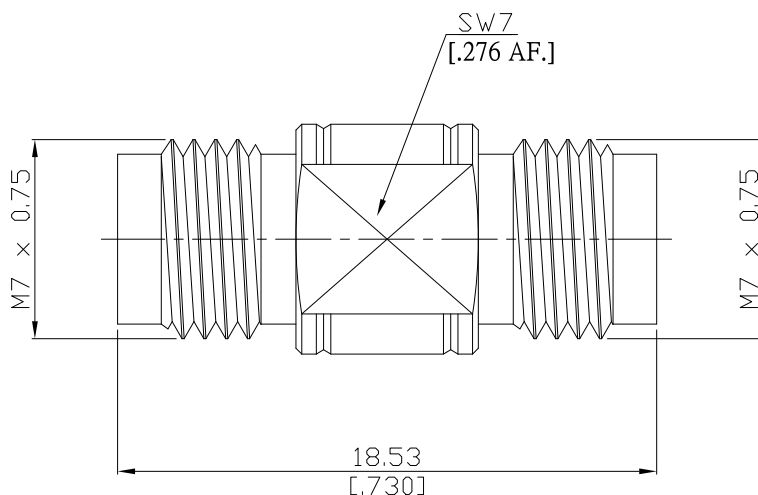


2.4mm Jack (Female) to 2.4mm Jack (Female) Adapter
DC-50GHz VSWR1.2

AD-Q2Q25A / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Mechanically compatible with

1.85mm

According to

IEC 61169-40, IEEE Std 287-2007

Electrical Data

Impedance

 $50\ \Omega$

Frequency

DC to 50 GHz

VSWR (Return Loss)

 ≤ 1.20 (≥ 20.83 dB)

Insertion Loss

$$\leq 0.05 \times \sqrt{F \text{ (GHz)}} \text{ dB}$$

Insulation Resistance

 $\geq 5 \text{ G}\Omega$

Test Voltage (at sea level)

500 V rms

Working Voltage (at sea level)

150 V_{rms}

RF Leakage

 $\geq 100 \text{ dB up to } 1 \text{ GHz}$

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	
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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 20 N
Coupling Test Torque	1.65 Nm max.
Recommended Torque	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture Resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

Packing

Single or 100