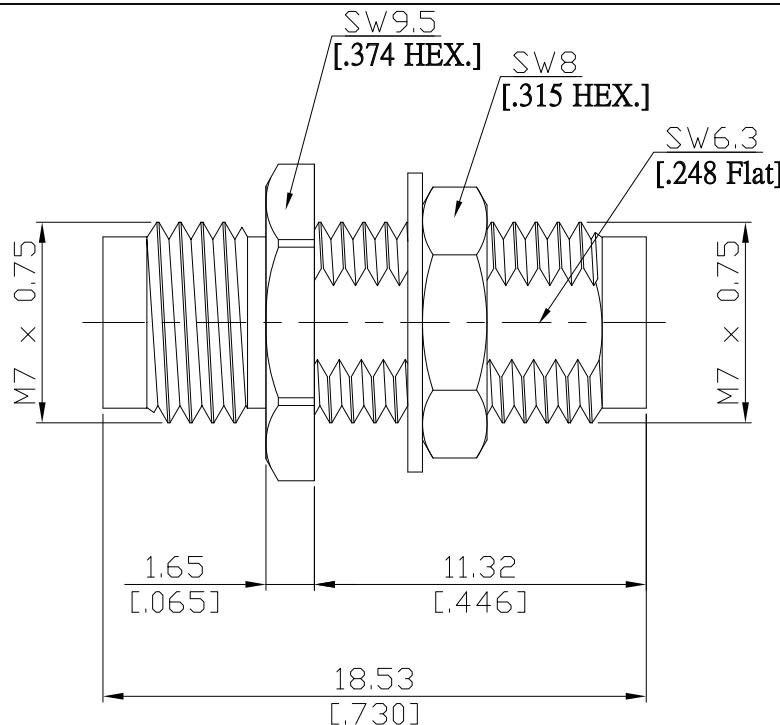


2.4mm Jack (Female) to 2.4mm Jack (Female) Bulkhead adaptor
DC-50 GHz, VSWR \leq 1.20

AD-Q2Q25A-BH / 9X-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

according to

IEC 61169-40; IEEE STD 287-2007; MIL-STD-348B/324

Electrical Data

Impedance

50 Ω

Frequency

DC to 50 GHz

VSWR (Return Loss)

$\leq 1.20 (\geq 20.83 \text{ dB})$

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

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

Material And Plating

Piece Parts (2.4mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch
Body	Stainless Steel	(Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator	PEI	
Gasket	Silicone Rubber	
Fastening nut	Stainless Steel	Passivated
Washer	Stainless Steel	Passivated
Piece Parts (2.4mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μ inch
Body	Stainless Steel	(Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Insulator	PEI	

**2.4mm Jack (Female) to 2.4mm Jack (Female) Bulkhead adaptor
DC-50 GHz, VSWR ≤ 1.20**

AD-Q2Q25A-BH / 9X-9X

Mechanical Data

Coupling mechanisms	Screw-lock
Center contact captivation	≥ 20 N
Coupling test torque	1.65 Nm
Recommended torque	0.80 Nm to 1.10 Nm

Environmental Data

Temperature Range	-55°C to +125°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

Related Document

Mounting Dimension	MD146
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