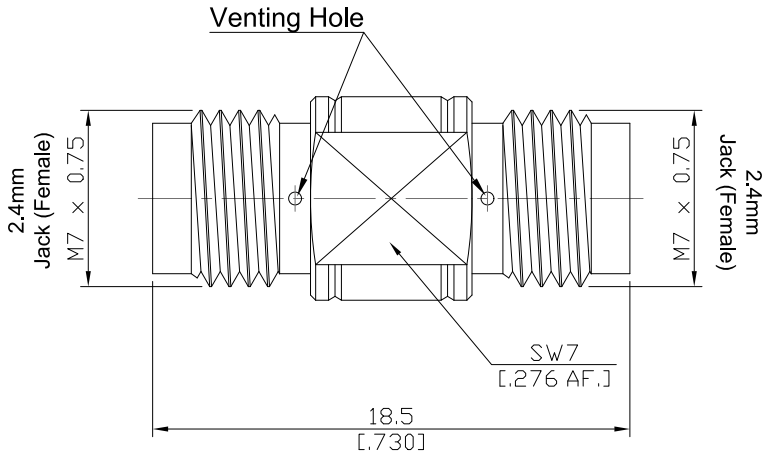
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

TVAC 2.4mm Jack (Female) to 2.4mm Jack (Female), Straight Adapter, DC-50 GHz, VSWR 1.3

VH-AD-Q2Q25A / 9X-9X



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 61169-40; IEEE Std 287; MIL-STD-348B/324
Mechanically compatible with	1.85mm

Electrical Data

Impedance	50 Ω
Frequency	DC to 50 GHz
VSWR (Return Loss)	≤ 1.30 (≥ 17.69 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Test Voltage (at sea level)	500 V rms
Working Voltage (at sea level)	150 V rms
RF Leakage	≥ 100 dB up to 1 GHz
Power Handling	19W

-Vacuum Vented Construction for Thermal Vacuum Applications-

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-On
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	-65°C to +165°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
Low outgassing	TML ≤ 1.0%, CVCM ≤ 0.1%
Vacuum Pressure	≤ 1×10^{-5} Torr
RoHS	compliant

Packing

Single or 100

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