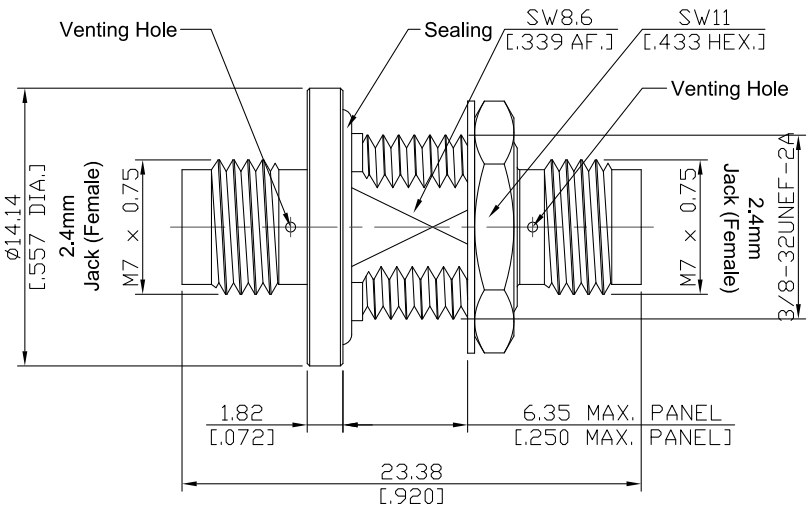
ROSNOL®
RF/Microwave Interconnect

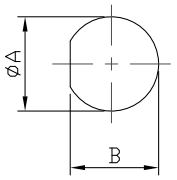
Technical Data Sheet

TVAC Hermetically Sealed 2.4mm Jack (Female) to 2.4mm Jack (Female) Bulkhead Mount Adapter, DC-50 GHz, VSWR 1.25

VH-ADH-Q2Q25A-BHS / 9X-9X



Mounting Dimension



	mm		inch	
	Max.	Min.	Max.	Min.
A	9.78	9.65	.385	.380
B	8.89	8.76	.350	.345

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

Electrical Data

Impedance	50 Ω
Frequency	DC to 50 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.08 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

-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	
Gasket	Viton	
Fastening Nut	Brass	Copper-Tin-Zinc Alloy
Washer	Brass	Copper-Tin-Zinc Alloy
Glass seal	Glass	

Piece Parts (2.4mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PEI	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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VH-ADH-Q2Q25A-BHS / 9X-9X

Mechanical Data	
Coupling mechanisms	Screw-On
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 20 N
Coupling test torque	max. 1.65 Nm
Recommended Torque	0.80 Nm to 1.10 Nm
Environmental Data	
Temperature Range	-55°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
Hermeticity	≤ 1 × 10^{-8} atm·cc/s He at a pressure differential of 15 psig
RoHS	compliant
Packing	
	Single or 100

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