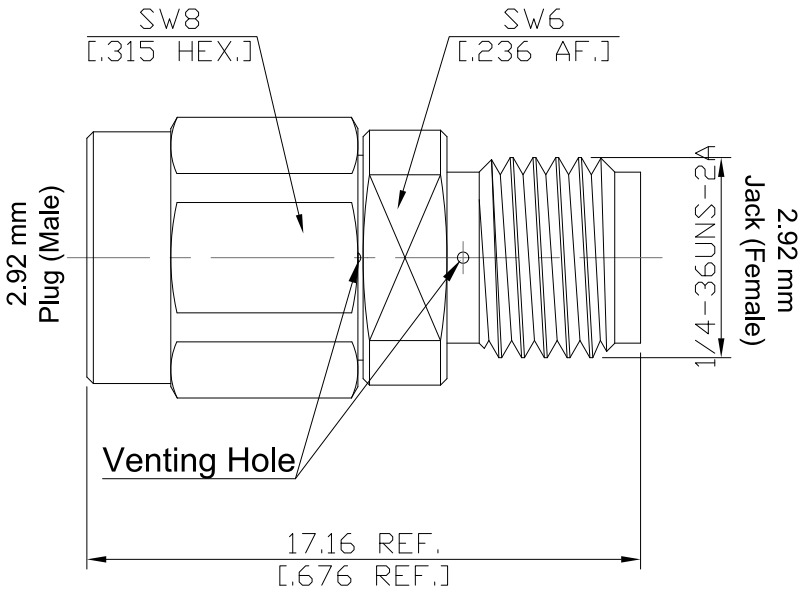
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

TVAC 2.92mm Plug (Male) to 2.92mm Jack (Female) Straight Adapter, DC–40 GHz, VSWR 1.25

VH-AD-K1K25A / 9XX-9X



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

Interface

According to	IEC 61169-35; IEEE Std 287
Mechanically compatible with	3.5mm, SMA

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Test Voltage (at sea level)	750 V rms
Working Voltage (at sea level)	250 V rms
RF Leakage	≥ 100 dB up to 1 GHz
Power Handling	20W

Material And Plating

Piece Parts (2.92mm)	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 (2.92mm)	**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.

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

TVAC 2.92mm Plug (Male) to 2.92mm Jack (Female) Straight Adapter, DC–40 GHz, VSWR 1.25

VH-AD-K1K25A / 9XX-9X

Mechanical Data	
Coupling mechanisms	Screw-On
Mating Cycles	≥ 500
Center Contact Captivation	≥ 20 N
Coupling Test Torque	max. 1.70 Nm
Recommended Torque	0.80 Nm to 1.10 Nm
Environmental Data	
Temperature Range	-65°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	
	Single or 100

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.

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified