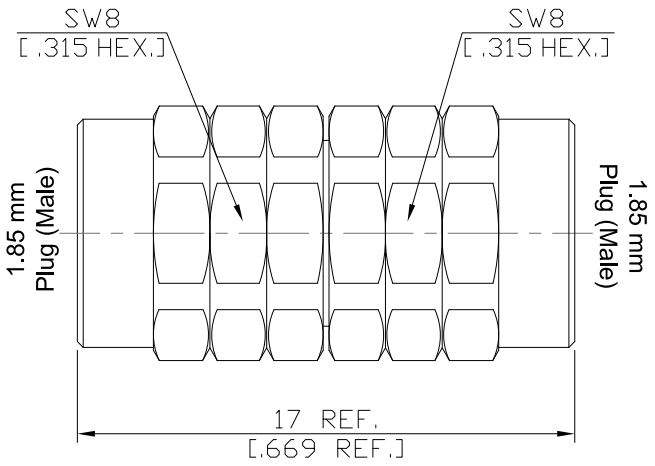
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

1.85mm Plug (Male) to 1.85mm Plug (Male), Straight Adapter, DC-67 GHz, VSWR 1.25

AD-V1V15B / 9XX-9XX



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

Interface

1.85mm According to	IEC 60169-32; IEEE Std 287
Mechanically compatible with	2.4mm

Electrical Data

Impedance	50 Ω
Frequency	DC to 67 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.05 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center contact resistance	≤ 4.0 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test Voltage (at sea level)	500 V rms
Working Voltage (at sea level)	150 V rms
RF Leakage	≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (1.85mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating
Body	Stainless Steel	Passivated
Insulator	PEI	
Coupling Nut	Stainless Steel	Passivated

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Centre Contact	Beryllium Copper	Gold plating
Body	Stainless Steel	Passivated
Insulator	PEI	
Coupling Nut	Stainless Steel	Passivated

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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N-CAGE Code: SFKK0 / ISO9001 Certified

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AD-V1V15B / 9XX-9XX

Mechanical Data

Coupling mechanisms	Screw-On
Mating Cycles	≥ 500
Center Contact Captivation	≥ 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 611691, Subclause 9.4.4
Corrosion	IEC 611691, Subclause 9.4.6
Vibration	IEC 611691, Subclause 9.3.3
Shock	IEC 611691, Subclause 9.3.14
Moisture Resistance	IEC 611691, Subclause 9.4.3
RoHS	compliant

Packing

Standard	Single or 100

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