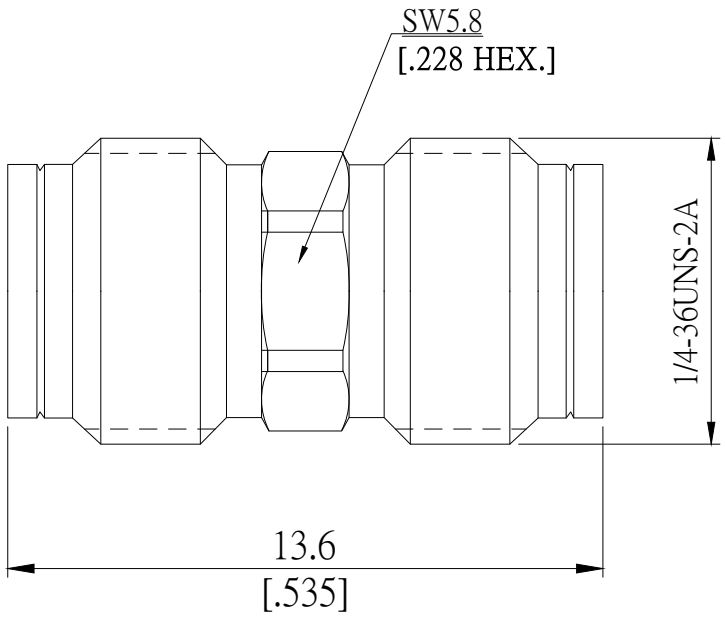
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Inner DC Block Conductor 1.85mm Jack (Female) to 1.85mm Jack (Female) Operating From 5 MHz to 67 GHz, 60 Volts, VSWR 1.3

DB-V2V25A-67G60V / 9X-9X



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

Interface

according to	IEC 60169-32

Electrical Data

Impedance	50 Ω
Frequency	DC to 67 GHz
VSWR (Return Loss)	≤ 1.3 (≥ 17.7 dB)
Insertion Loss	≤ 0.7 dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Working Voltage	60 V
DC Block type	Inner

Material And Plating

Piece Parts (1.85mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless steel	Passivate
Insulator	PTFE	
Gasket	Silicone Rubber	

Piece Parts (1.85mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless steel	Passivate
Insulator	PTFE	

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

Inner DC Block Conductor 1.85mm Jack (Female) to 1.85mm Jack (Female) Operating From 5 MHz to 67 GHz, 60 Volts, VSWR 1.3

DB-V2V25A-67G60V / 9X-9X

Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Center contact captivation: axial	≥ 20 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-65°C to +155°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

Singleor 100

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