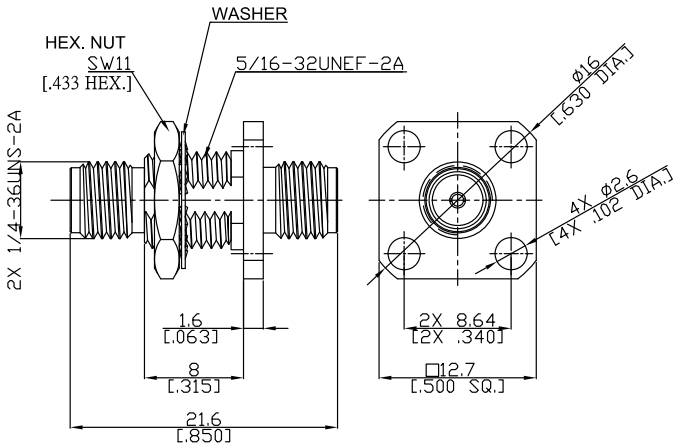
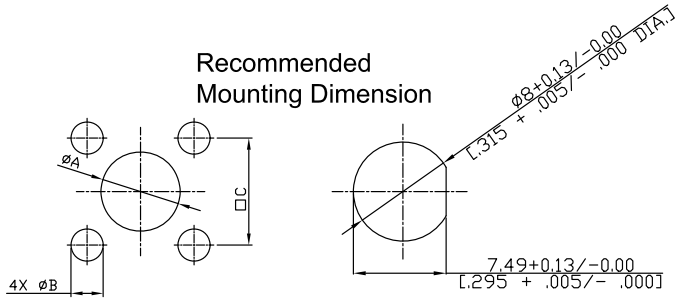
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

2.92mm Jack (Female) / 2.92mm Jack (Female) Bulkhead Panel 4 Hole Flange Mount Adaptor DC-40 GHz, VSWR ≤ 1.15

AD-K2K25A-BHPF / 9X-9X





	mm		inch	
	Max.	Min.	Max.	Min.
A	6.6	6.5	.260	.256
B	2.7	2.6	.106	.102
C	8.69	8.59	.342	.338

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

Interface

according to	IEC 61169-35;IEEE Std 287;MIL-STD-348A/323

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.15 (≥ 23.13 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

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Fastening nut	Stainless Steel	Passivated
Washer	Brass	Passivated
Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	

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

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Center contact captivation: axial	≥ 27 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm

Environmental Data

Temperature Range	-55°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

Single or 100

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