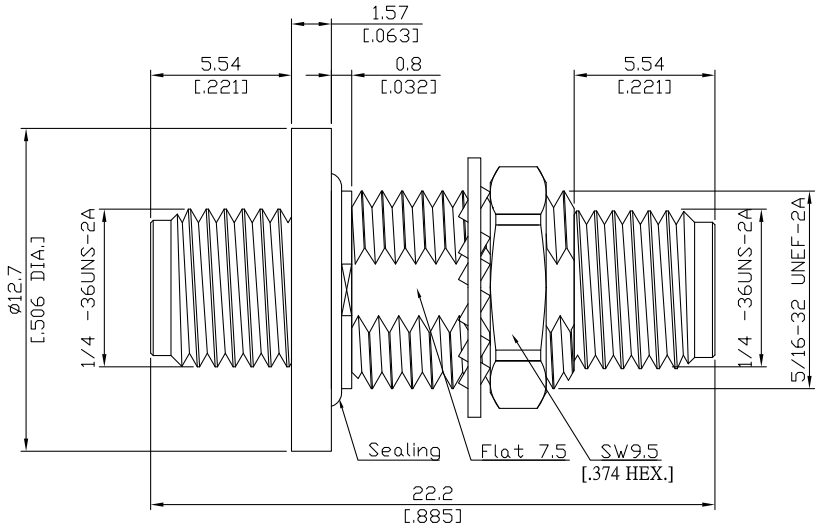
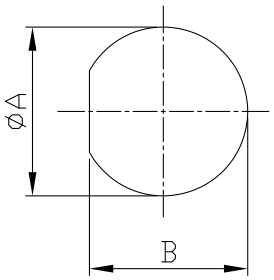
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

2.92mm jack (female) / 2.92mm jack (female) Bulkhead adaptor
DC-40 GHz, VSWR 1.2

ADH-K2K25A-BH / 9Q-9Q





	mm		inch	
	Max.	Min.	Max.	Min.
A	8.1	8	0.318	0.314
B	7.8	7.7	0.307	0.303

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)	≤ 1.20 (≥ 20.83 dB)
Insertion Loss	≤ 0.04 x √F (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 100 dB up to 1 GHz

Material And Plating

Piece Parts (RPC 2.92)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Stainless Steel	Gold plating, 3 µinch
Insulator	PTFE	(Non-magnetic nickel-phosphorus underplating, 100 µinch)
Fastening nut	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)
Washer	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)

Piece Parts (RPC 2.92)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Stainless Steel	Gold plating, 3 µinch
Insulator	PTFE	(Non-magnetic nickel-phosphorus underplating, 100 µinch)

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Mechanical Data	
Coupling mechanisms	Screw-lock
Mating cycles	≥ 500
Center contact captivation: axial	≥ 20 N
radial	≥ 3 Ncm
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.8 Nm to 1.1 Nm
Environmental Data	
Temperature Range	-40°C to +85°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

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