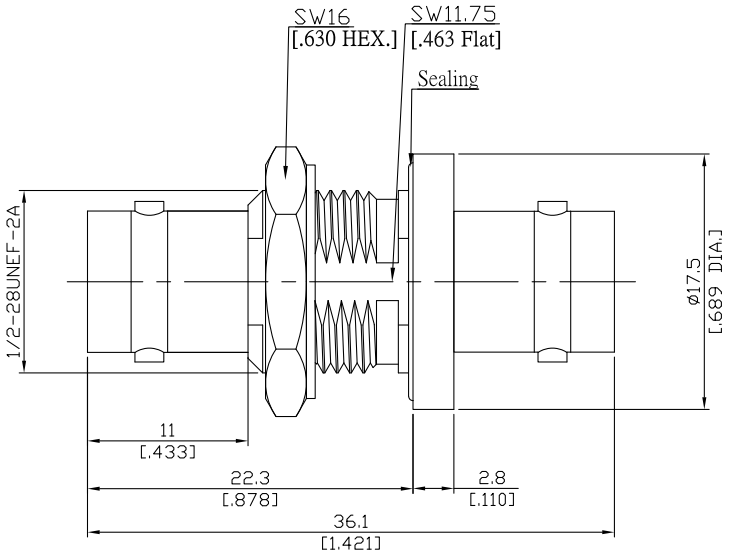
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

BNC jack (female) / BNC jack (female)
Bulkhead Adaptor, 75 Ohm DC-2 GHz

AD-B2B27A-BH / H4-H4



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

Interface

according to	IEC 61169-8; MIL-STD-348B/301

Electrical Data

Impedance	75 Ω
Frequency	DC to 2 GHz
Return loss	≥ 28 dB @ DC to 0.2 GHz
Insertion loss	≤ 0.1 x √f (GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

Material And Plating

Piece Parts (BNC)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Gasket	Silicone Rubber	
Fastening nut	Brass	Copper-Tin-Zinc Alloy
Washer	Brass	Copper-Tin-Zinc Alloy
Piece Parts (BNC)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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

BNC jack (female) / BNC jack (female) Bulkhead Adaptor, 75 Ohm DC-2 GHz

AD-B2B27A-BH / H4-H4

Mechanical Data	
Coupling mechanisms	Bayonet-lock
Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Environmental Data	
Temperature Range	-65°C to + 165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion resistance	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant
Packing	
	Singleor 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