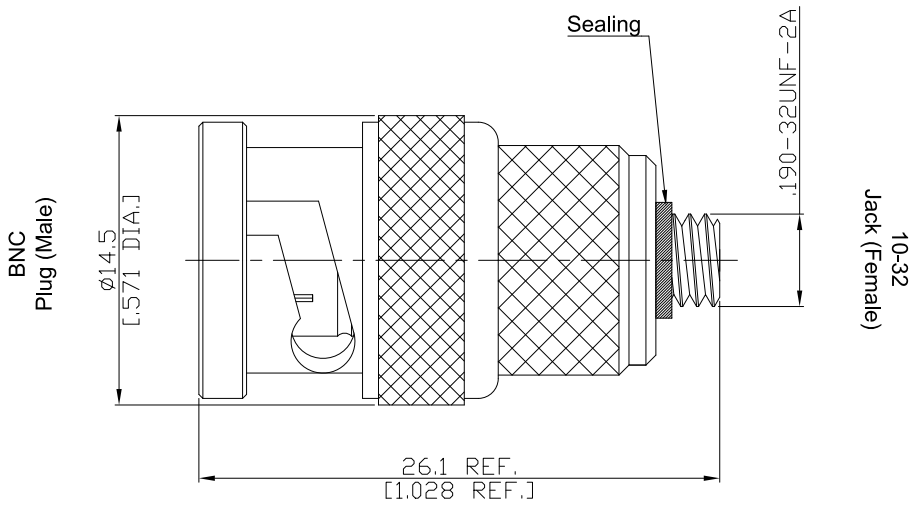
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

BNC Plug (Male) to 10-32 Jack (Female) Adapter
DC-1GHz VSWR1.25

AD-B1103225A / 933-93



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

Interface

BNC According to	IEC 61169-8; CECC 22120; MIL-PRF-39012; MIL-STD-348B/301; BS 9210 N 004
10-32 According to	MIL-PRF-39012

Electrical Data

Impedance	50 Ω	
Frequency	DC to 1GHz	
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)	
Insertion Loss	≤ 0.1 x √F (GHz) dB	
Insulation Resistance	≥ 5 GΩ	
Center Contact Resistance	≤ 1.5 mΩ, BNC Side	≤ 3.0 mΩ, 10-32 Side
Outer Contact Resistance	≤ 1.0 mΩ, BNC Side	≤ 3.0 mΩ, 10-32 Side
Working voltage	400 Vrms	
Test Voltage	1000 Vrms	

Material And Plating

Piece Parts (BNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Piece Parts (10-32)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Nickel
Insulator	PTFE	

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Mechanical Data

	BNC side	10-32 side
Coupling mechanisms	Bayonet-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center Contact Captivation: axial	≥ 15 N	≥ 15 N

Environmental Data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100

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