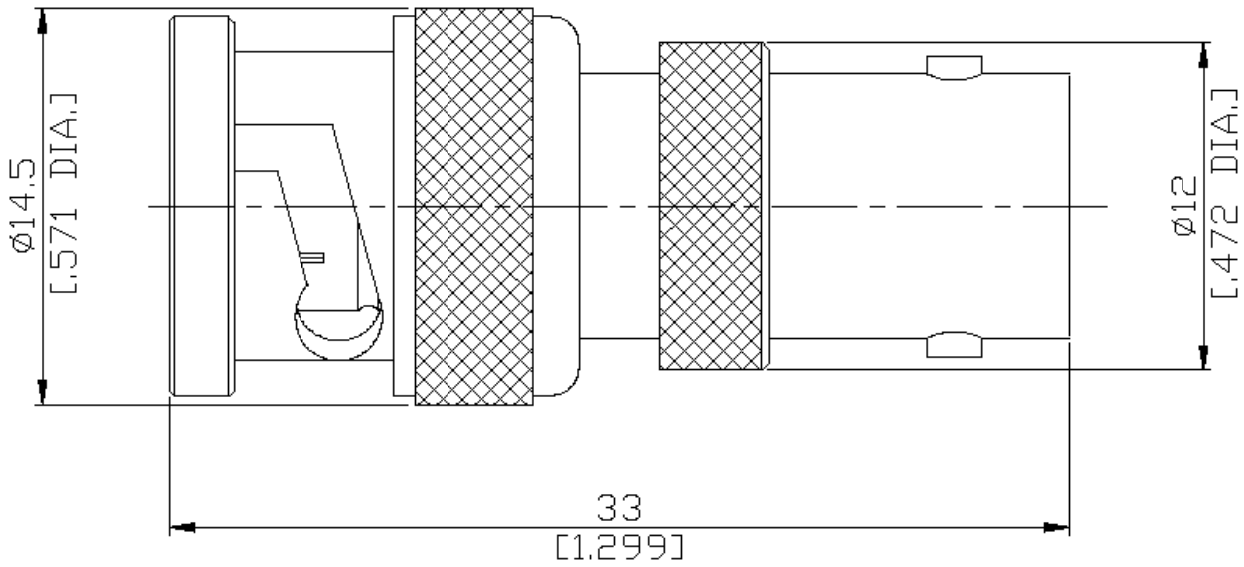
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

BNC plug (male) / BNC jack (female) Adaptors Straight DC-6GHz VSWR1.2

AD-B1B25A / 133-H3



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

Interface

According to	IEC 60169-8; MIL-STD-348B/301

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.2 (≥ 20.83 dB)
Insertion Loss	≤ 0.05 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	≥ 80 W @ 2 GHz

Material And Plating

Piece Parts (BNC)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (BNC)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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N-CAGE Code: SFKK0 / ISO9001 Certified

BNC plug (male) / BNC jack (female) Adaptors Straight DC-4GHz VSWR1.2

AD-B1B25A / 133-H3

Mechanical Data	
Coupling Mechanisms	Bayonet-lock
Mating Cycles	min. 500
Center Contact Captivation	≥ 15 N
Environmental Data	
Temperature Range	-65°C to +125°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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