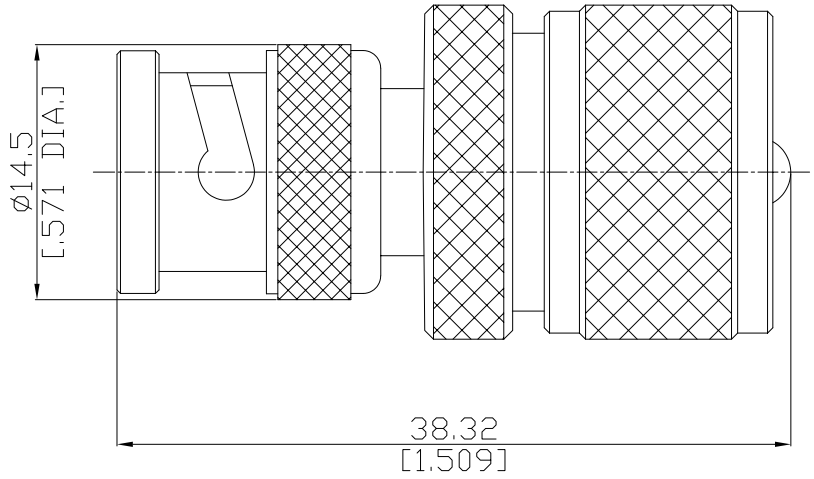
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

BNC plug (male) / UHF plug (male)
Straight adaptor DC- 300 MHz

AD-B1U15A / 144-144



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

Interface

BNC according to	IEC 60169-8; MIL-STD-348B/301
UHF according to	IEC 60169-12

Electrical Data

Impedance	BNC (50 Ω)	UHF (non-constant)
Frequency	DC to 300 MHz	
Center contact resistance	≤ 1.5 mΩ, BNC side;	≤ 5 mΩ, UHF side
Outer contact resistance	≤ 1 mΩ, BNC side;	≤ 5 mΩ, UHF side
Test voltage	1500 V rms	
Working voltage	400 V rms	
Contact current (DC)	≤ 10 A typ.	
Power handling (at 20 °C, sea level, VSWR 1.0)	400 W typ. @ 300 MHz	

Material And Plating

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

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

	BNC side	UHF side
Coupling mechanisms	Bayonet-lock	Screw-lock
Mating cycles	min. 500	min. 500
Center contact captivation: axial	≥ 30 N	≥ 30 N

Environmental Data

Temperature Range	-55°C to +145°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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