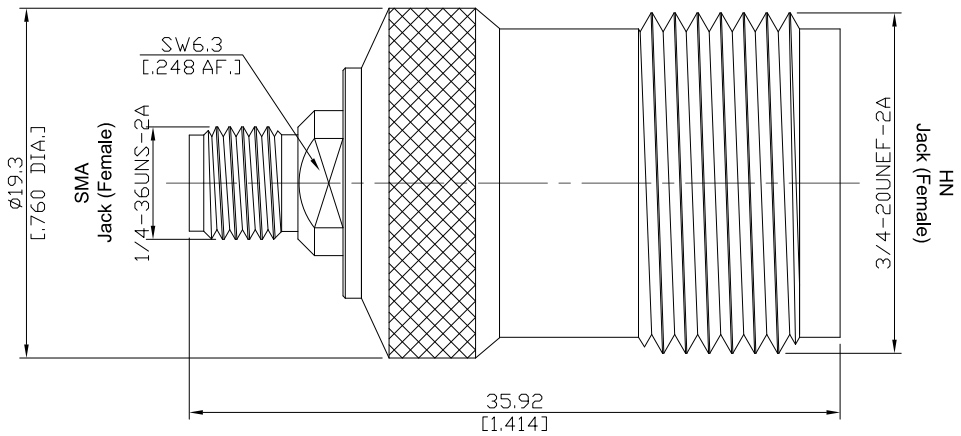
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

SMA Jack (Female) to HN Jack (Female), Straight Adapter, DC-4 GHz, VSWR 1.25

AD-A2HN25A / 94-94



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

Interface

SMA According to	IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110
HN According to	MIL-STD-348B/317; MIL-PRF-39012

Electrical Data

Impedance	50 Ω	
Frequency	DC to 4 GHz	
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)	
Insertion Loss	≤ 0.06 x √F (GHz) dB	
Insulation resistance	≥ 5 GΩ	
Center contact resistance	≤ 3 mΩ, SMA side	≤ 1 mΩ, HN side
Outer contact resistance	≤ 2 mΩ, SMA side	≤ 0.2 mΩ, HN side
Test voltage	1000 V rms	
Voltage Rating	500 V rms	

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Piece Parts (HN)	**Material**	**Plating**
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	

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

SMA Jack (Female) to HN Jack (Female), Straight Adapter, DC-4 GHz, VSWR 1.25

AD-A2HN25A / 94-94

Mechanical Data

	SMA side	HN side
Coupling mechanisms	Screw-On	Screw-On
Mating cycles	min. 500	min. 500
Recommended torque	0.57 Nm	1.81 Nm

Environmental Data

Temperature Range	-65°C to +165°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. A
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Packing

Single or 100

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