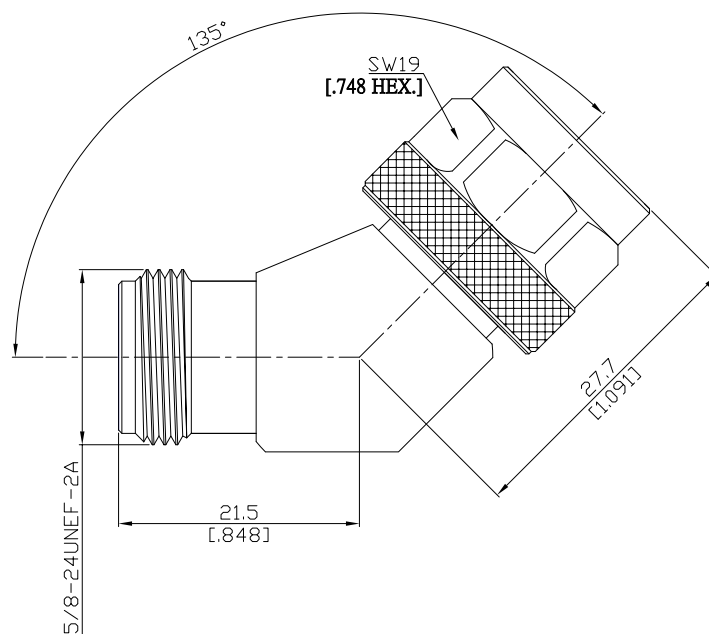


45 degree adaptor plug/jack, N plug (male) / N jack (female)  
DC- 6GHz VSWR1.20

**ASL45-N1N25A / H44-H4**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

According to

IEC 61169-16; CECC 22210; MIL-STD 348B/304

**Electrical Data**

Impedance	50 $\Omega$	
Frequency	DC to 6 GHz	
VSWR (Return Loss)	$\leq 1.20$ ( $\geq 20.83$ dB)	
Insertion loss	$\leq 0.1 \times \sqrt{F}$ (GHz) dB	
Insulation resistance	$\geq 5 \times 10^3$ M $\Omega$	
Center contact resistance	$\leq 1$ m $\Omega$	
Outer contact resistance	$\leq 0.25$ m $\Omega$	
Working voltage	500 V rms	
Power handling (at 20 °C, sea level, VSWR 1.0)	1000 W @ 1 GHz	700 W @ 2 GHz
RF-leakage	$\geq 128$ dB up to 1 GHz	
Intermodulation (3 <sup>rd</sup> order)	$\leq -115$ dBm @ 2 x 20 W	

**Material And Plating**

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

Rev.:  
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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

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45 degree adaptor plug/jack, N plug (male) / N jack (female)  
DC- 6GHz VSWR1.20

## ASL45-N1N25A / H44-H4

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating cycles	min. 500
Coupling nut retention	≥ 450 N
Center contact captivation: axial	≥ 28 N
Coupling test torque	max. 1.7 Nm
Recommended torque	0.7 Nm to 1.1 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. B
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
Degree of protection (mated pair)	IEC 60529, IP67
RoHS	compliant

### Packing

Single or 100