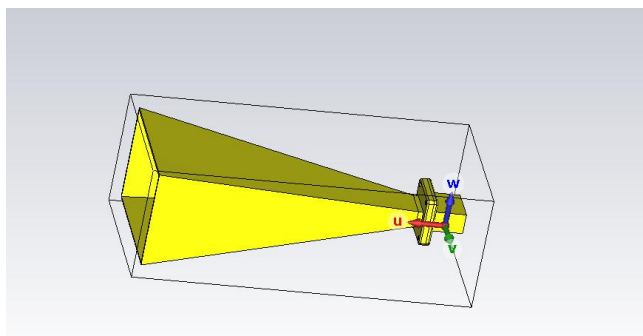


**Descriptions:**

Model **YX-SGH-112-20NF** is a standard gain horn antenna that operates from 6.57 to 9.99 GHz, it is linear polarization, The RF port is equipped with N-Female connector which is optional.

**Features:**

- Wideband Frequency, High Gain
- Excellent Directionality, linear Polarization
- Lightweight, high reliability, and long lifespan

**Applications:**

- Antenna Communication System
- Antenna Measurement and Calibration
- Research and Experimentation

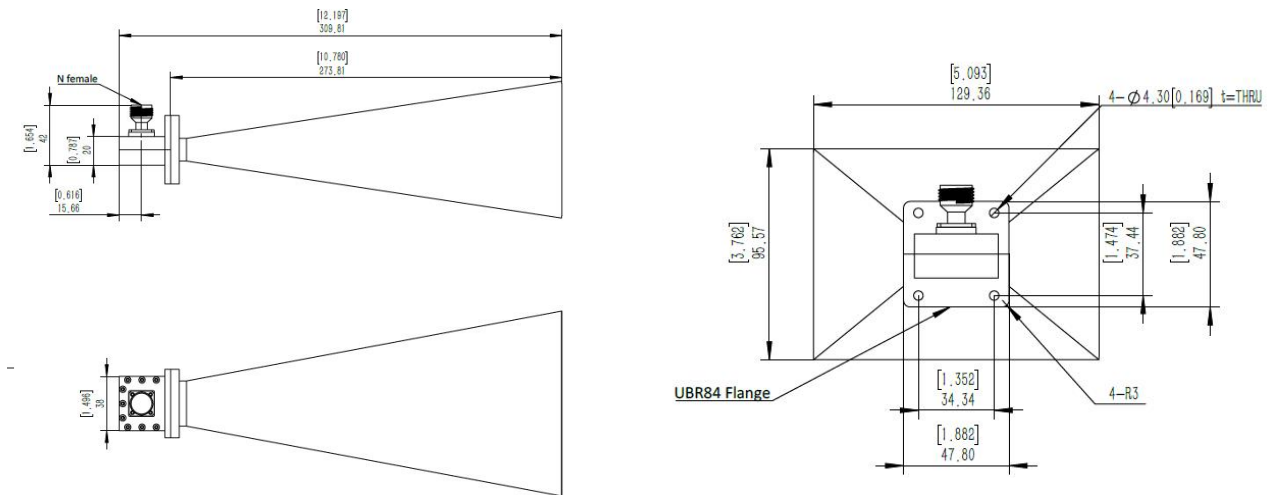
**Electrical & Environmental Characteristics**

Frequency	6.57-9.99 GHz
Gain	20dB typical
VSWR	1.5 max
Polarization	Linear
E-Plane 3 dB Beamwidth	15.8~23 degrees
H-Plane 3 dB Beamwidth	15.8~22.5 degrees
Cross Polarization	-25dB max
Power Handling	15W(cw)
Specification Temperature	+25°C
Operating Temperature	-40°C~+85°C

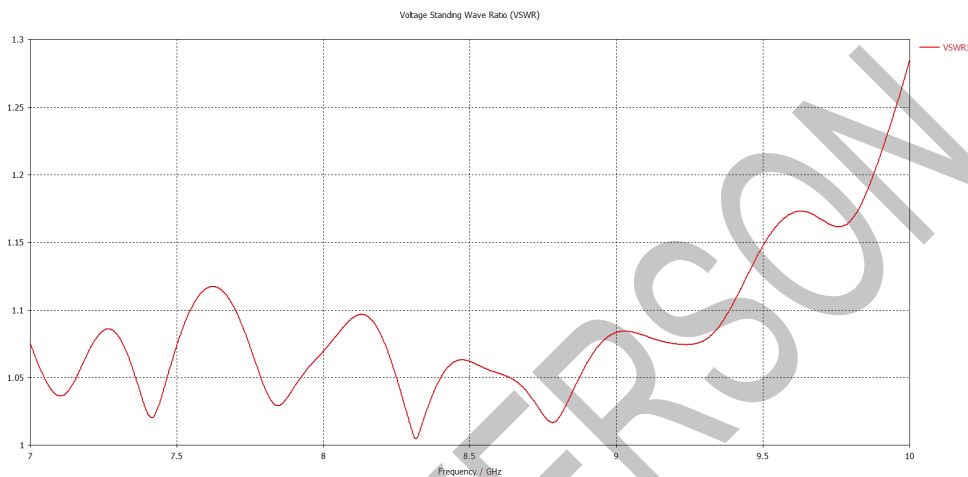
**Mechanical Specifications**

Connector	N-Female
Impedance	50 Ω
Material	Aluminum
Inside Finish	Chem Film
Outside Finish	Blue/Gray Painting(Optional)
Dimensions	309.8*129.36*95.57mm
Weight (approx.)	/

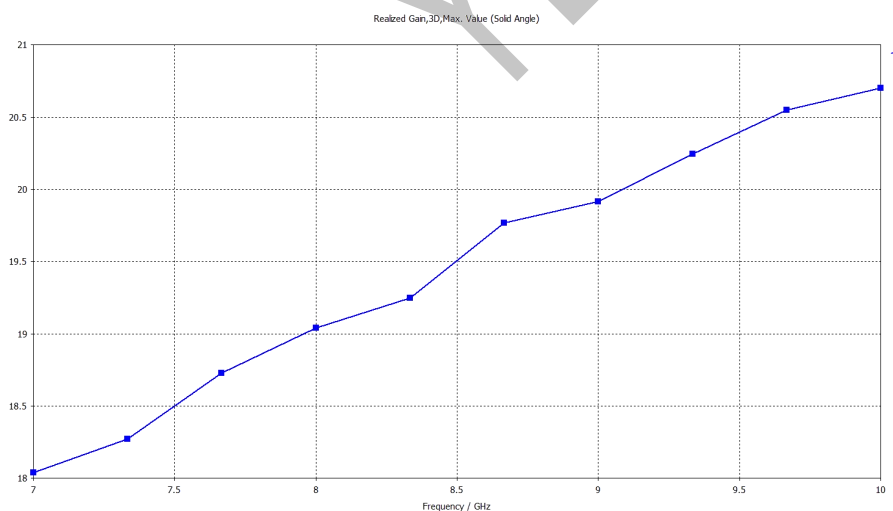
**Outline Drawing (Unit:mm) :**



**VSWR VS Frequency**



**Gain VS Frequency Plots**



Notice: All of the above data is simulation for reference.

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