

60-90GHz Standard Gain Horn Antenna with WR12 Waveguide Port P/N: YX-SGH-12-20**Descriptions:**

Model **YX-SGH-12-20** is a standard gain horn antenna that operates from 60 to 90 GHz, it is linear polarization, The RF port is equipped with waveguide flange 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**

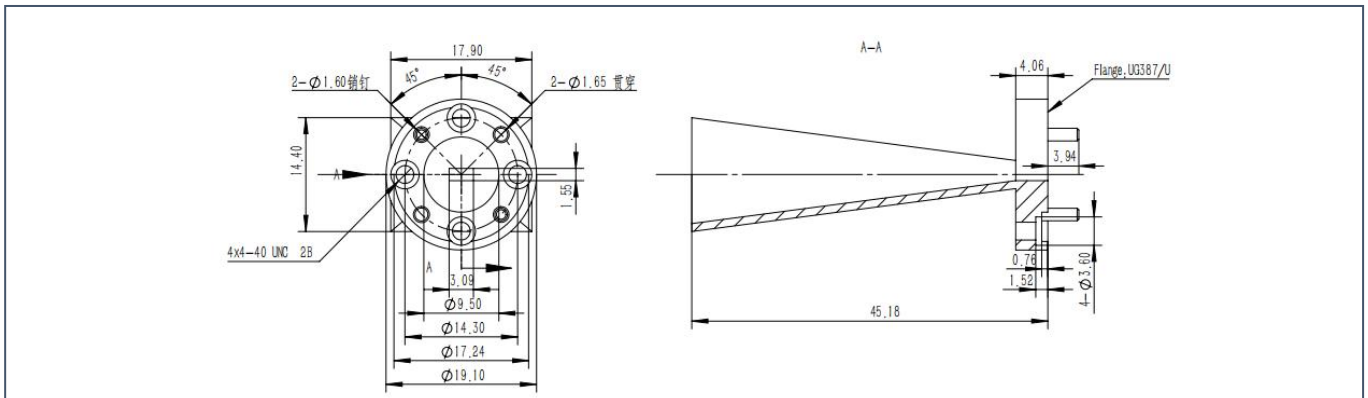
Frequency	60-90GHz
Gain	20 dB typical
VSWR	1.35 max
Polarization	Linear
E-Plane 3 dB Beamwidth	20 to 13
H-Plane 3 dB Beamwidth	22 to 14
Cross Polarization	-25dB max
Specification Temperature	+25°C
Operating Temperature	-40°C~+85°C

Mechanical Specifications

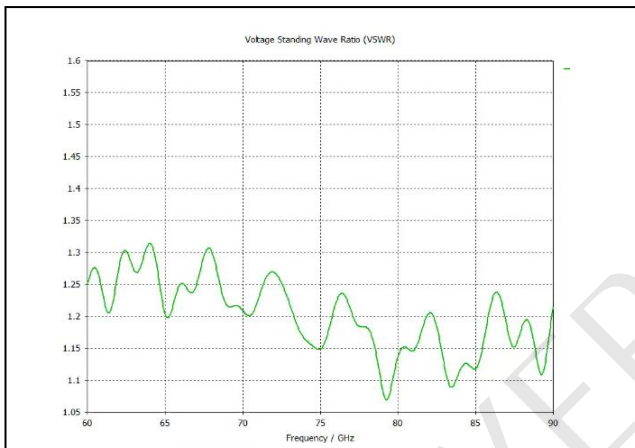
Antenna Port	WR12 Waveguide
Flange	UG387/U /optional
Material	Brass
Finishing Inside and Outside	Gold plating
Size	φ 19.10 x 45.18
Weight (approx.)	/

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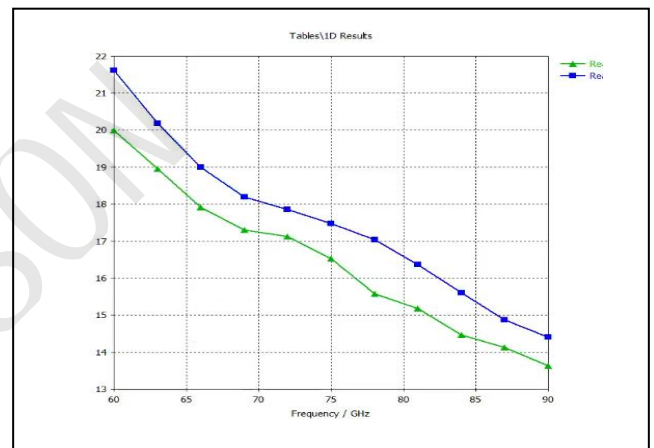
Outline Drawing (Unit:mm)



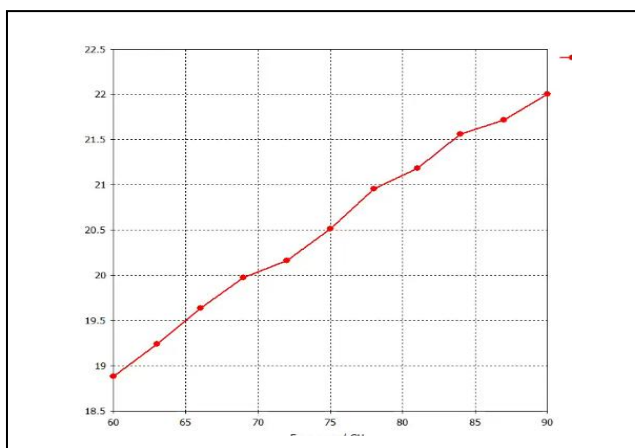
VSWR VS Frequency



3dB Beamwidth



Gain VS Frequency Plots



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

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