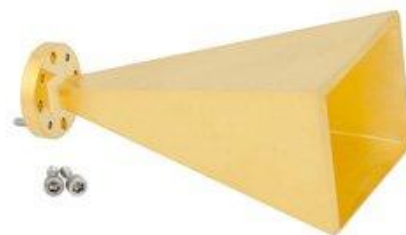


## Descriptions:

Model **YX-SGH-22-25** is a standard gain horn antenna that operates from 33~50 GHz, it is linear polarization, The RF port is equipped with wave-guide flange which is optional.



## Features:

- Wide-band Frequency, High Gain
- Excellent Directional, linear Polarization
- Lightweight, high reliability, and long lifespan

## Applications:

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



### Electrical & Environmental Characteristics

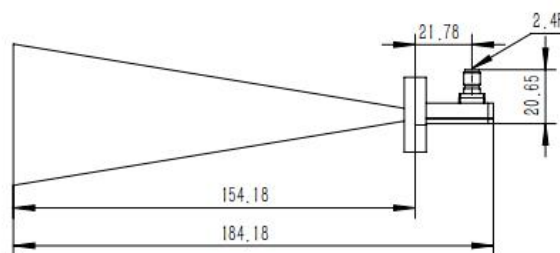
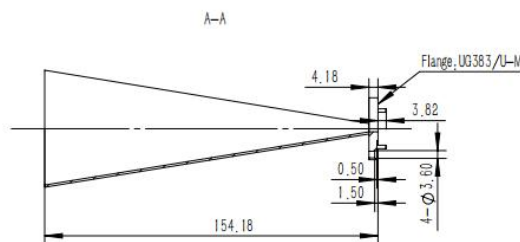
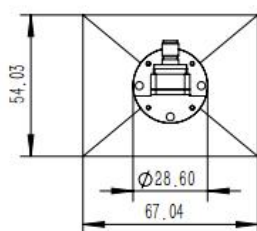
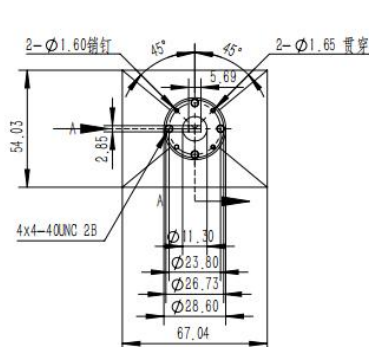
Frequency	33-50GHz
Gain	25 dB typical
VSWR	1.25 max
Polarization	Linear
E-Plane 3 dB Beam width	8.5 to 5 degrees
H-Plane 3 dB Beam width	11 to 7 degrees
Cross Polarization	-25dB max
Power Handling	15W(cw)
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

### Mechanical Specifications

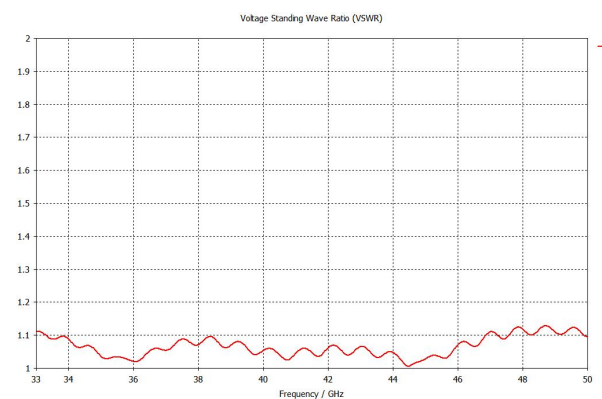
Antenna port	WR10 Waveguide
Flange	UG383/U-M
Material	Brass
Finishing Inside and Outside	Gold plating inside and outside
Size	154.18*54.03 * 67.04mm
Weight (approx.)	/

### 33~50GHz Standard Gain Horn Antenna with WR22 Wave-guide Port P/N: YX-SGH-22-25

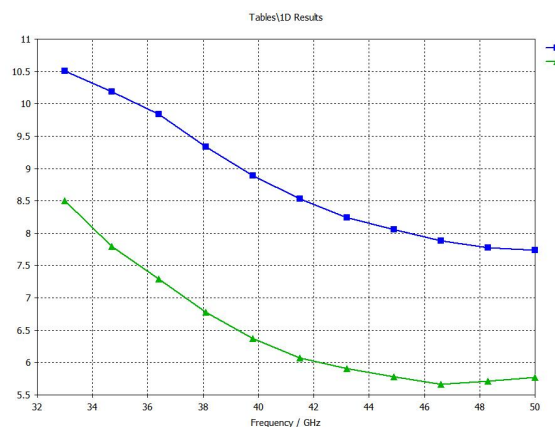
**Outline Drawing(Unit: mm):**



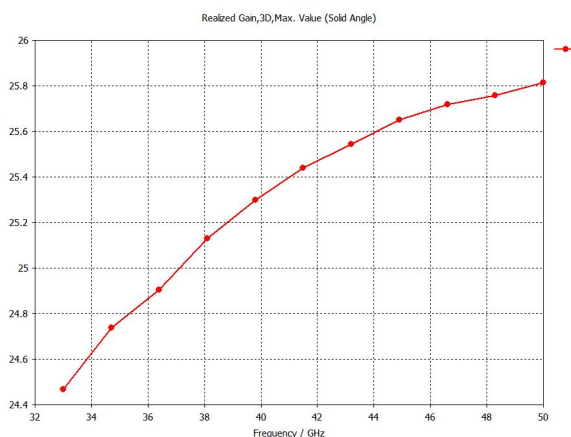
## VSWR VS Frequency



### 3dB Beam width



## Gain VS Frequency Plots



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

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