

26.5-40GHz Standard Gain Horn Antenna with WR28 Waveguide Port P/N: YX-SGH28-20

Descriptions:

Model **YX-SGH28-20** is a standard gain horn antenna that operates from 26.5 to 40 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

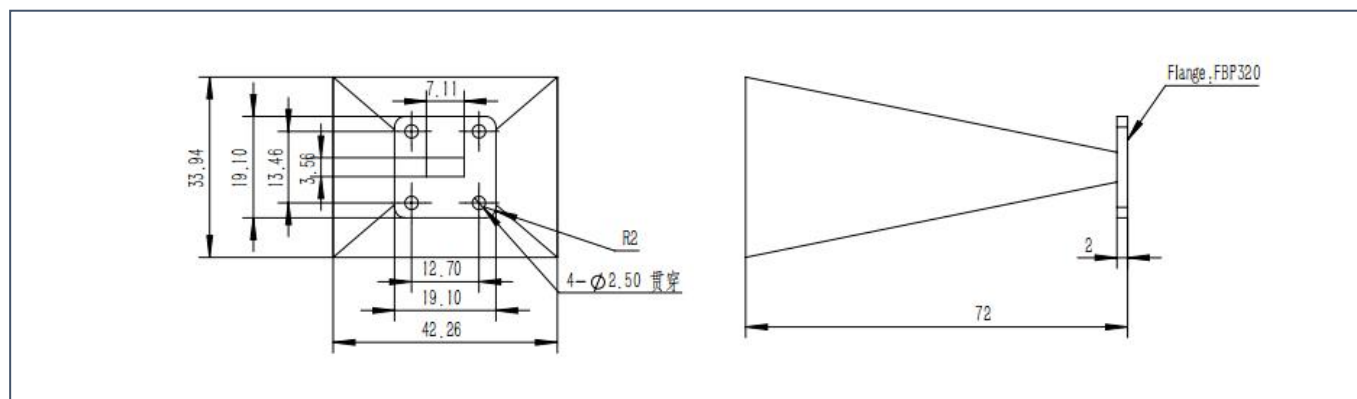
Frequency	26.5-40GHz
Gain	20 dB typical
VSWR	1.25 max
Polarization	Linear
E-Plane 3 dB Beamwidth	18 to 12 degrees
H-Plane 3 dB Beamwidth	20 to 13 degrees
Cross Polarization	-25dB max
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

Mechanical Specifications

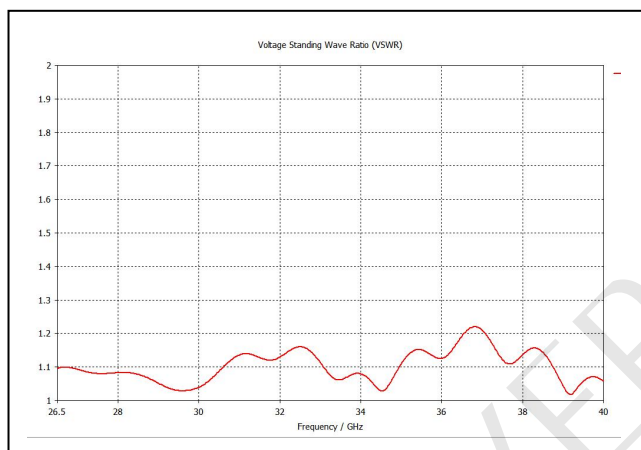
Flange	FBP320(UBR320)/ optional
Material	Aluminum/Brass
Finishing Inside and Outside	Chem Film Inside, Painting Outside(Color Optional)
Size	42.26 x 72mm
Weight (approx.)	/

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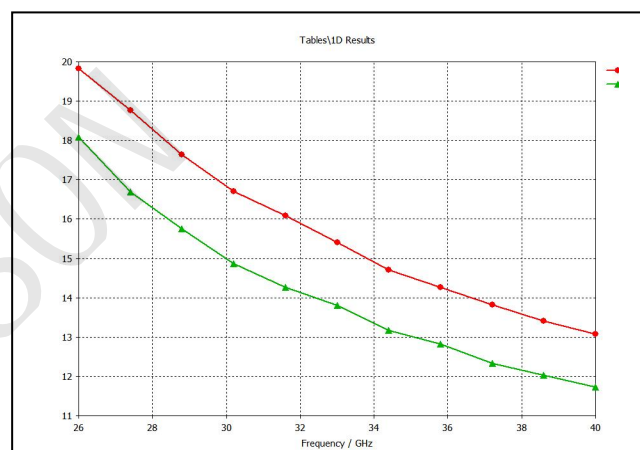
Outline Drawing (Unit:mm):



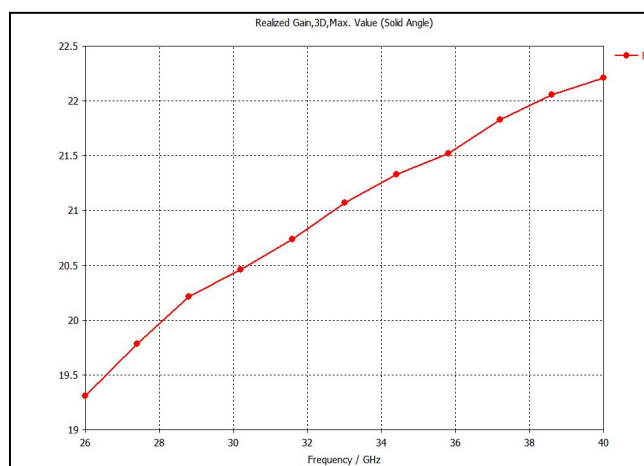
VSWR VS Frequency



3dB Beamwidth



Gain VS Frequency Plots



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

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