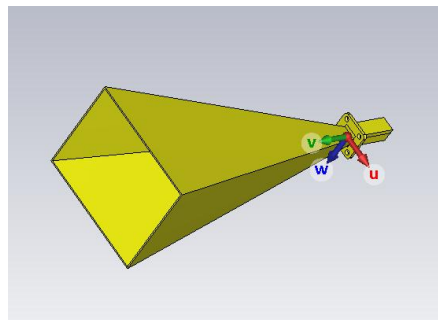


75-110GHz Standard Gain Horn Antenna,1.0 Female Connector P/N: YX-SGH-10-20-1.0F

Descriptions:

Model **YX-SGH-10-20-1.0F** is a standard gain horn antenna that operates from 75~110GHz, it is linear polarization, The RF port is equipped with 1.0mm-Female connector 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

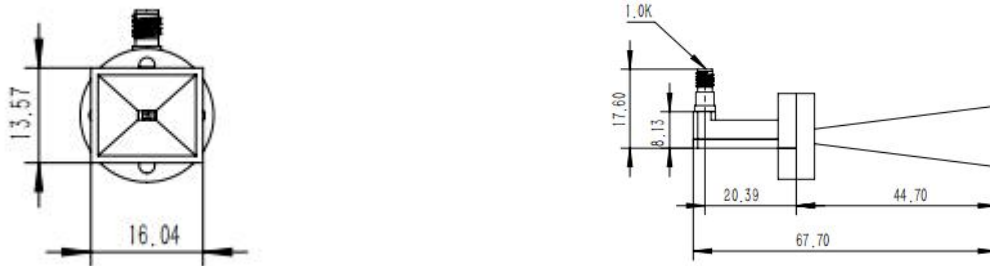
Frequency	75-110GHz
Gain	20 dB typical
VSWR	2.0 max
Polarization	Linear
E-Plane 3 dB Beam width	17 to 12 degrees
H-Plane 3 dB Beam width	20 to 12 degrees
Cross Polarization	-25dB max
Power Handling	15W(cw)
Specification Temperature	+25°C
Operating Temperature	-40°C~+85°C

Mechanical Specifications

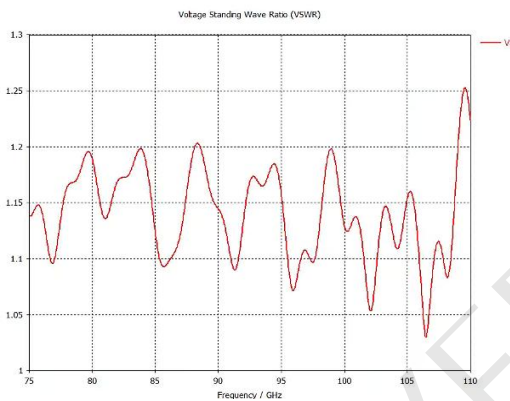
Antenna port	WR10 Waveguide
Connector	1.0mm-Female
Material	Brass
Finishing Inside and Outside	Brass, gold plating inside and outside
Size	67.70*16.04*13.57mm
Weight (approx.)	/

75-110GHz Standard Gain Horn Antenna, 1.0 Female Connector P/N: YX-SGH-10-20-1.0F

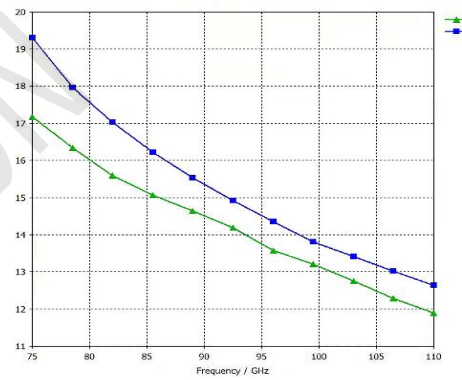
Outline Drawing (Unit: mm):



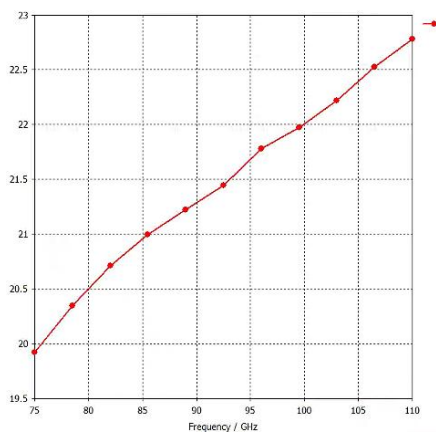
VSWR VS Frequency



3dB Beam width



Gain VS Frequency Plots



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

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