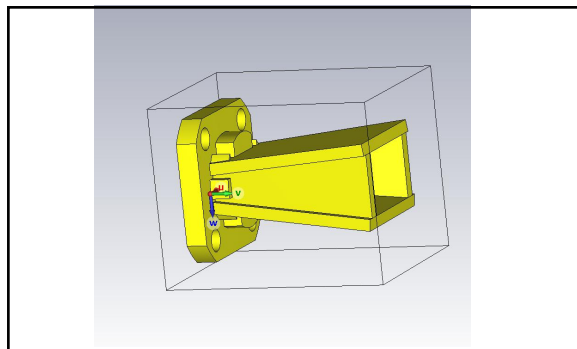


# 40-60GHz Standard Gain Horn Antenna 25dB V.185-F

P/N: YX-SGH19-25V1.85F

## Descriptions:

Model YX-SGH19-25V1.85F is a standard gain horn antenna that operates from 40 to 60 GHz, it is linear polarization, The RF port is equipped with V1.85 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



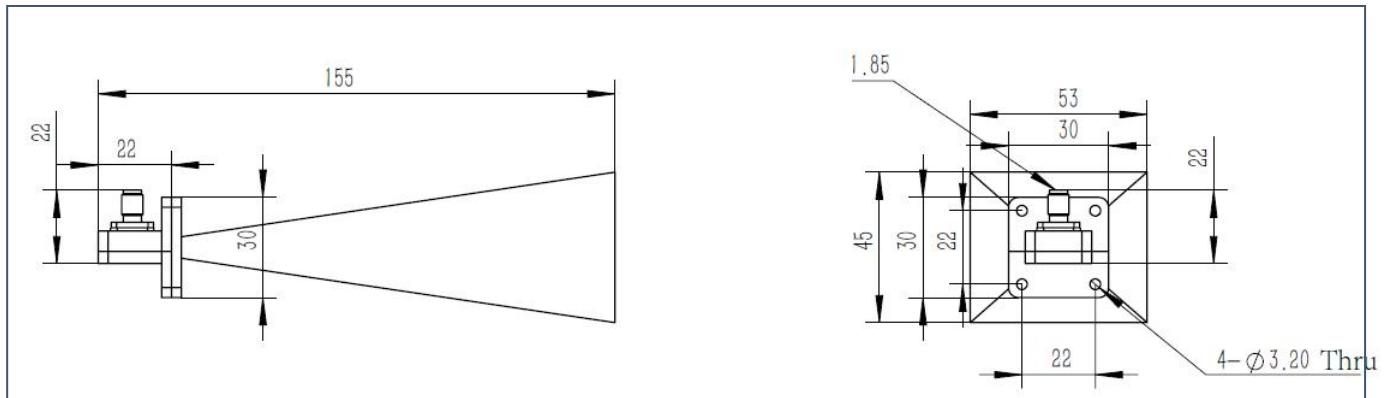
## Electrical & Environmental Specifications

Frequency	40-60GHz
Gain	25 dB typical
VSWR	2.0 max
Polarization	Linear
E-Plane 3 dB beamwidth	9.5 to 6.5
H-Plane 3 dB Beamwidth	11 to 8
Cross Polarization	-25dB max
Power Handling	15W(cw)
Specification Temperature	+25℃
Operating Temperature	-40℃~+85℃

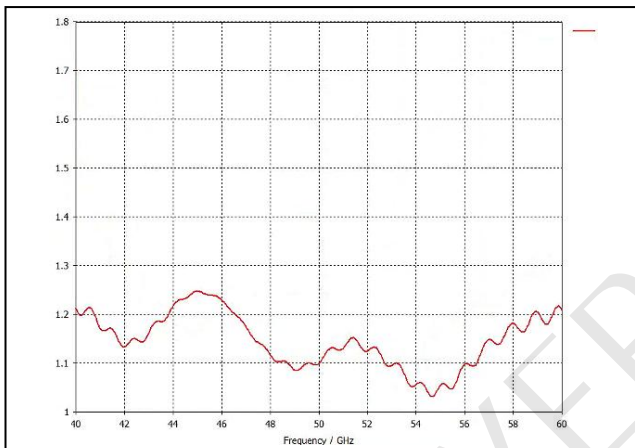
## Mechanical Specifications

Antenna Port	WR19 Waveguide
Connector	V1.85-Female
Material	Brass
Finishing Inside and Outside	Gold plating, Painting outside
Dimensions	155*53*45mm
Weight (approx.)	/

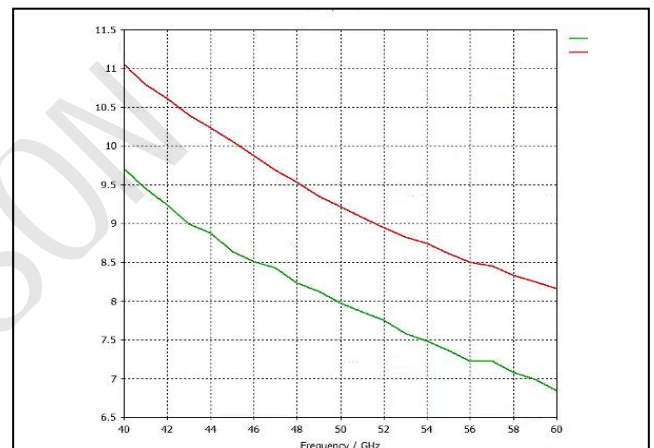
**Outline Drawing(Unit:mm)::**



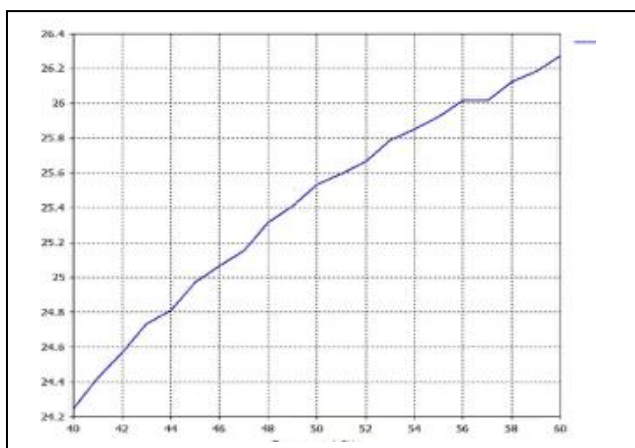
**VSWR VS Frequency**



**3dB Beamwidth**



**Gain VS Frequency Plots**



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

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