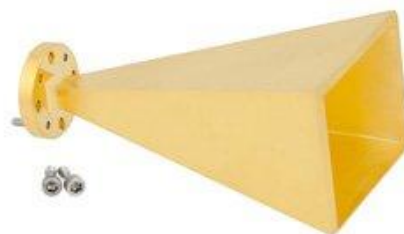


40-60GHz Standard Gain Horn Antenna with WR19 Waveguide Port P/N: YX-SGH19-25**Descriptions:**

Model **YX-SGH19-25** is a standard gain horn antenna that operates from 40 to 60 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**

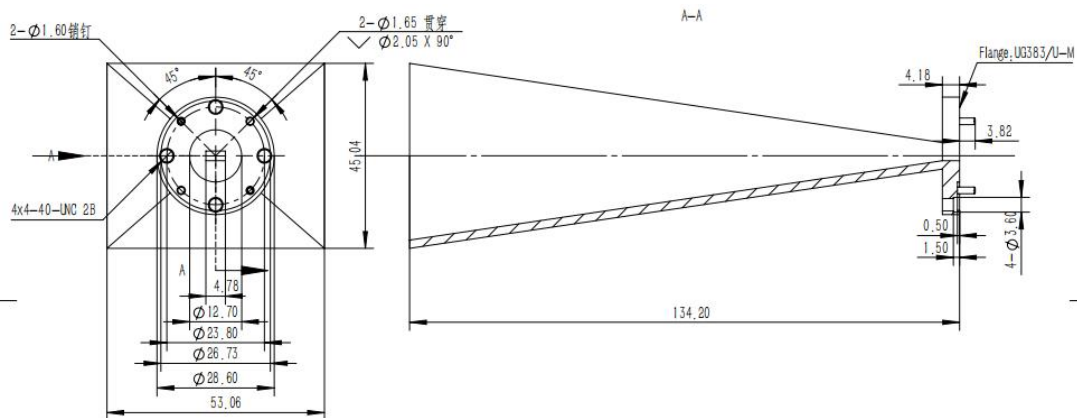
Frequency	40-60 GHz
Gain	25 dB typical
VSWR	2.0 max
Polarization	Linear
E-Plane 3 dB Beamwidth	9.5 to 6.5 degrees
H-Plane 3 dB Beamwidth	11 to 8 degrees
Cross Polarization	-25dB max
Specification Temperature	+25°C
Operating Temperature	-40°C~+85°C

Mechanical Specifications

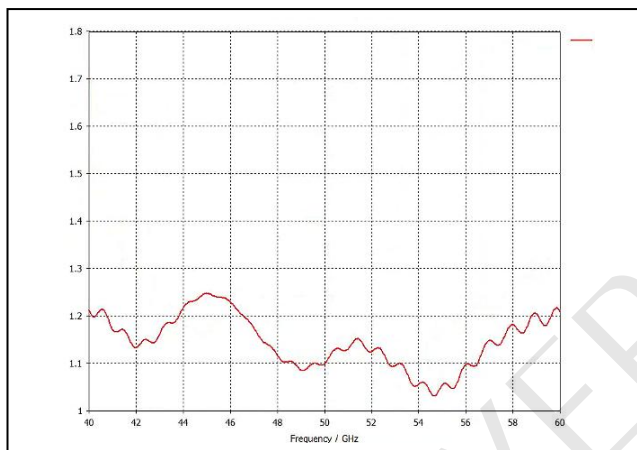
Antenna Port	WR19 Waveguide
Flange	UG383/U-M /optional
Material	Brass
Finishing Inside and Outside	Gold plating inside and outside
Size	53.06 x 134.20mm
Weight (approx.)	/

40-60GHz Standard Gain Horn Antenna with WR19 Waveguide Port P/N: YX-SGH-19-25

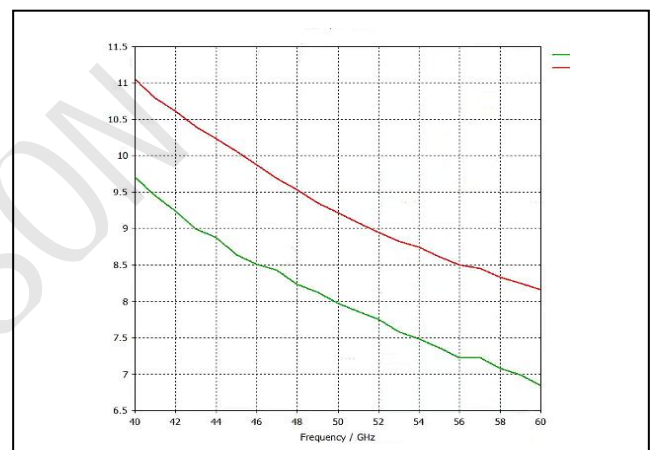
Outline Drawing (Unit:mm)



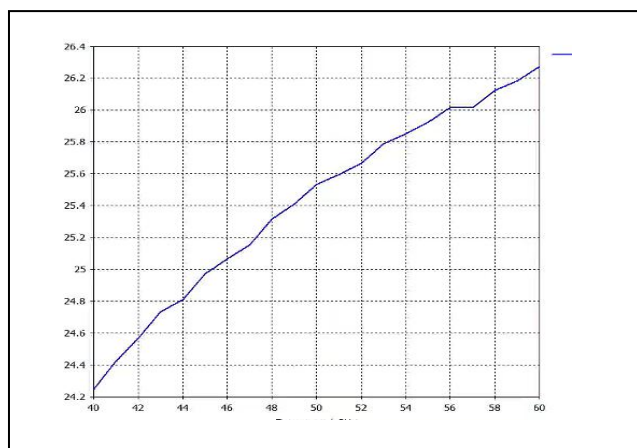
VSWR VS Frequency



3dB Beamwidth



Gain VS Frequency Plots



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

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