

50-75GHz Standard Gain Horn Antenna with WR15 Waveguide Port

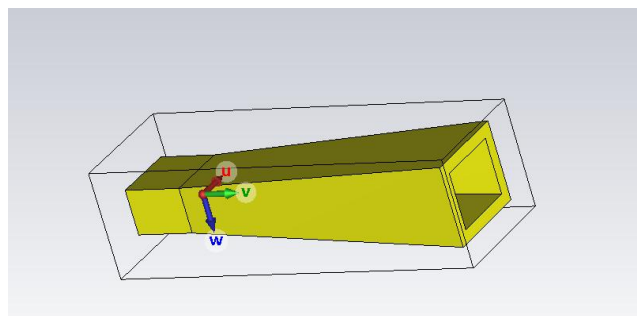
P/N: YX-SGH-15-10

Features

- Covering frequencies from 50 to 75GHz
- Directional, linear Polarization
- Reliable gain, low standing wave.
- Lightweight, high reliability, and long lifespan

Typical Applications

- EMI detection, direction finding, and reconnaissance
- Measurement of antenna gain and pattern



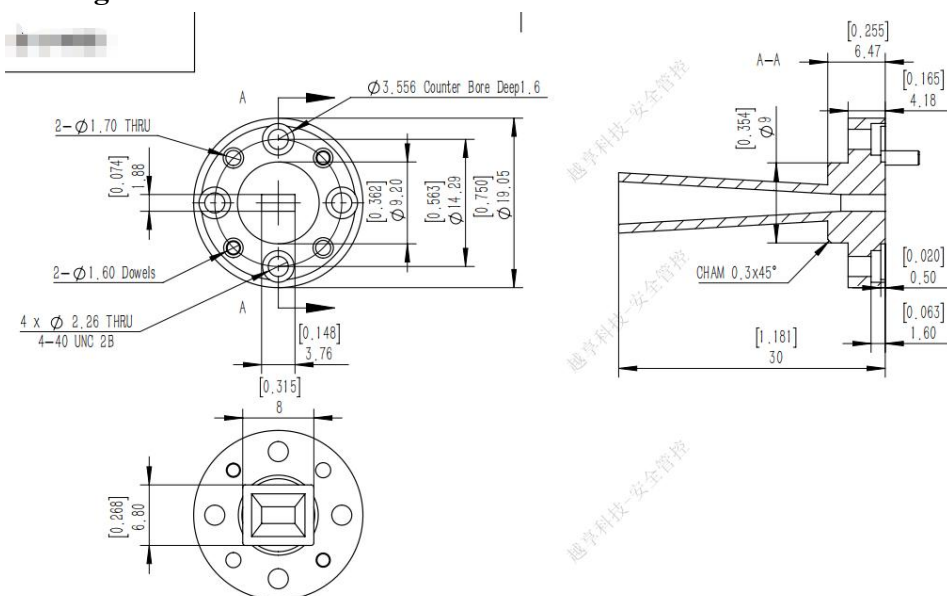
Electrical & Environmental Specifications

Operating Frequency	50-75 GHz
Gain	10dB typical
VSWR	1.3 max
3dB Beamwidth-Horizontal	58~45 degrees
3dB Beamwidth-Vertical	56~36 degrees
Specification Temperature	+25°C
Operating Temperature	-40°C~+85°C

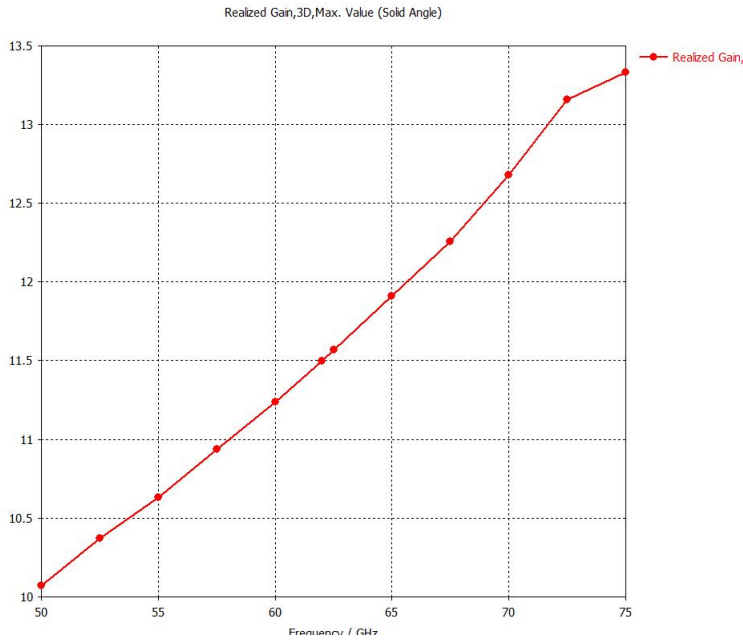
Mechanical Specifications

Waveguide Option	WR15
Flange	UG385/U
Material	Brass
Inside and Outside Finish	Gold plating inside and outside
Weight	/
Sizes (mm)	6.8*8*30mm

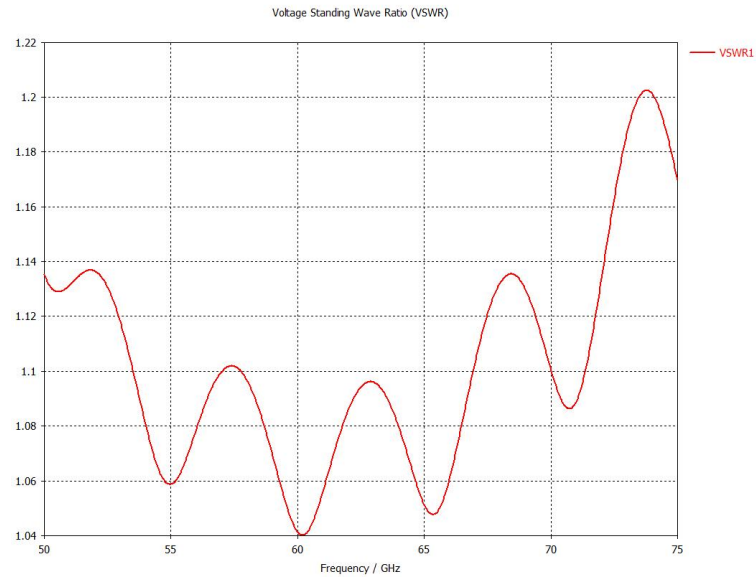
Outline Drawing (Unit: mm)



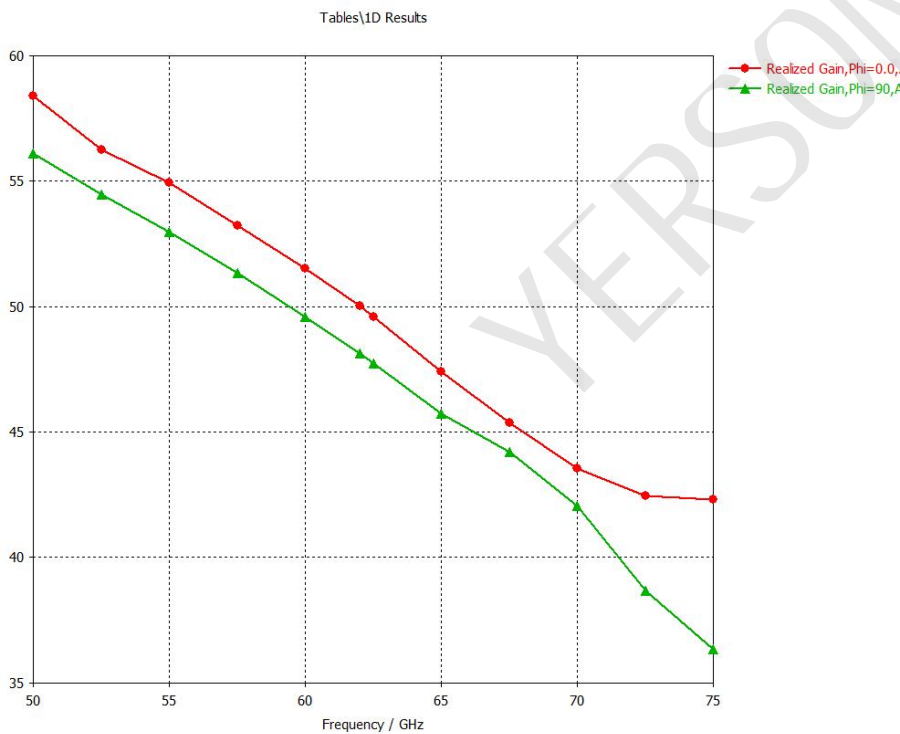
Gain VS Frequency Plots



Input VSWR VS Frequency



3dB Beamwidth



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

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