

8.2-12.4GHz Standard Gain Horn Antenna

P/N: YX-SGH90-15SMAF

Features

- Covering frequencies from 8.2 to 12.4GHz
- 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



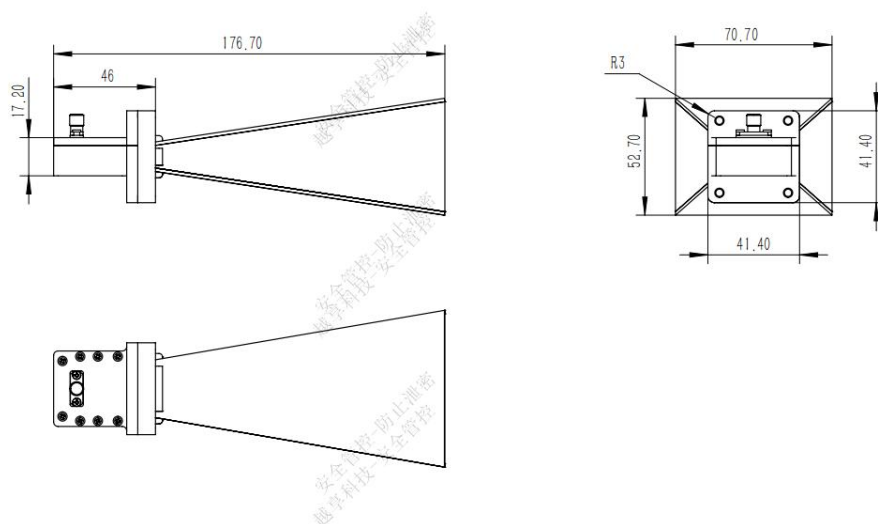
Electrical & Environmental Specifications

Operating Frequency	8.2-12.4 GHz
Gain	15dB typical
VSWR	1.5 max
3dB Beamwidth-Horizontal	29 degrees
3dB Beamwidth-Vertical	29.3 degrees
Handling Power	50W(CW)
Specifications Temperature	+25°C
Operating Temperature	-30°C~+55°C

Mechanical Specifications

Coaxial Connector Type	SMA-Female
Impedance	50Ω
Waveguide Option	WR90
Flange Type	UG39/U,UG40B/U,PBR100(Optional)
Material	Aluminum
Inside Finish	Oxidation inside
Outside Finish	Blue painting
Weight	/
Sizes (mm)	52.7*70.7*176.7mm

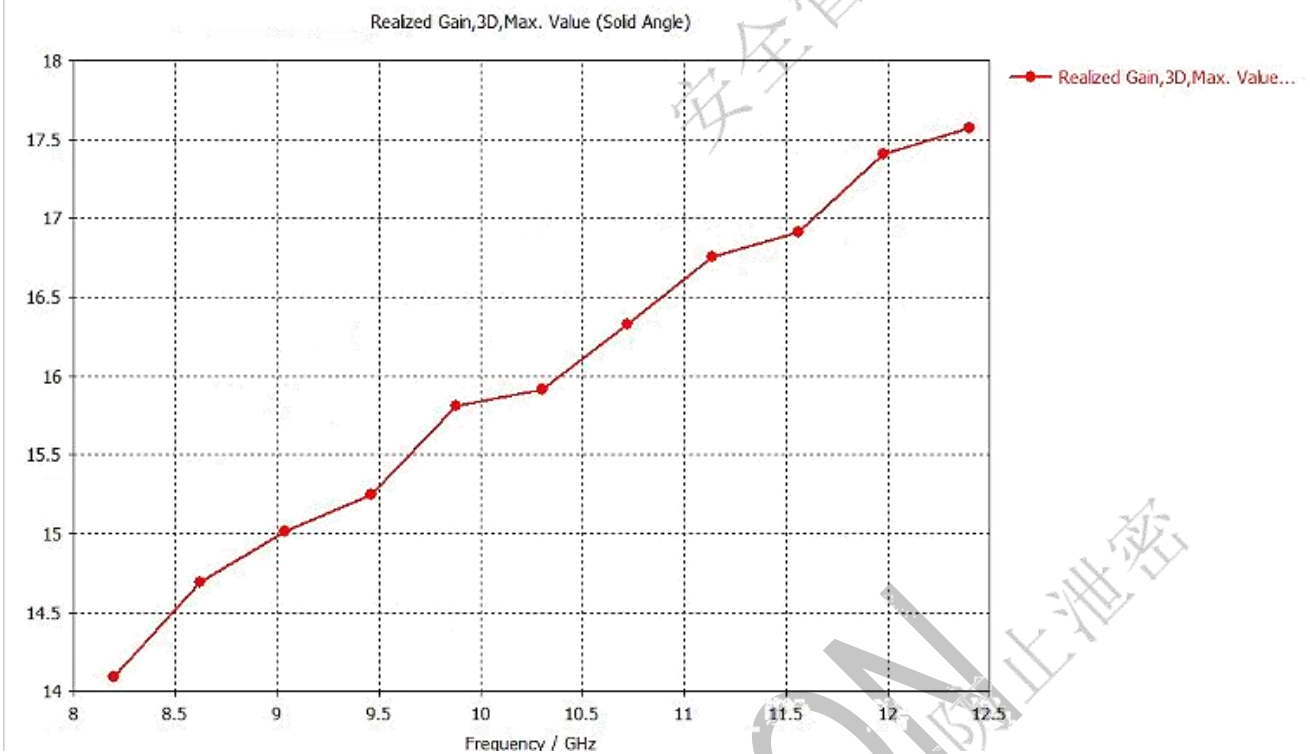
Outline Drawing(Unit:mm)



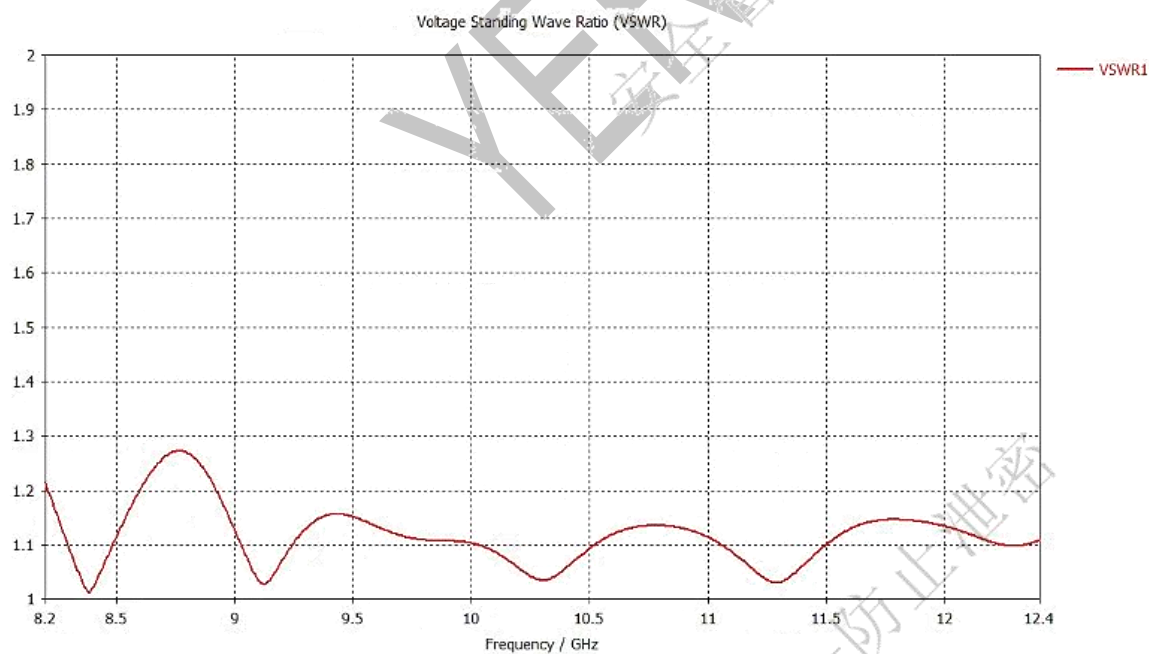
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Gain VS Frequency Plots



Input VSWR VS Frequency



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

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