EC MICROWAVE
The door to the RF world

Horn Antenna

OLB-15-25

This WR-15 standard gain horn antenna has a GAIN(24-26)dBi across the band and a square cover flange. It has a frequency of (50.0-75.0)GHz .

Standard gain horn antenna OLB-15-25 is known as a waveguide horn covers WG25, WR15,R620 bands. It is manufactured using the precision electrode cut coppersections providing accurate, consistent and reliable performance.

This antenna is suitable for Antenna Ranges ;Antenna Gain Measurements SystemSetups.

HPBW of OLB-15-25 has a V-Plane & H-Plane beam width from 10 degree to 15degree.

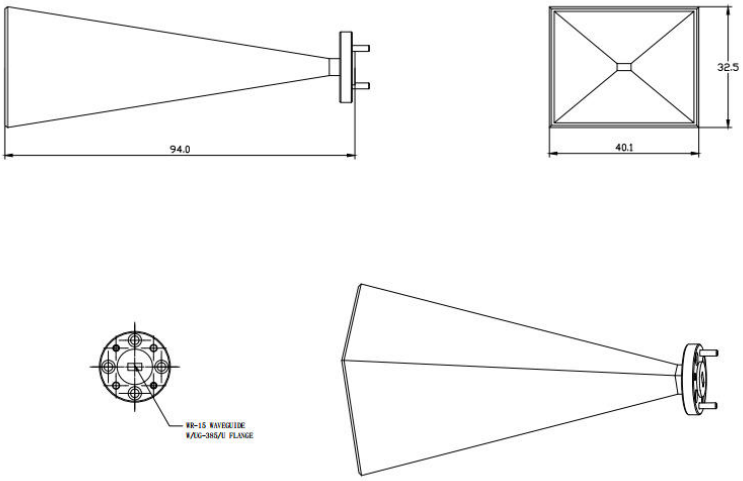
Features

- Rectangular Waveguide Interface
- Precisely Machined and Gold Plated
- Linear Polarization
- High Return Loss

Applications

- Antenna Ranges
- Antenna Gain Measurements
- System Setup

Product Dimensions

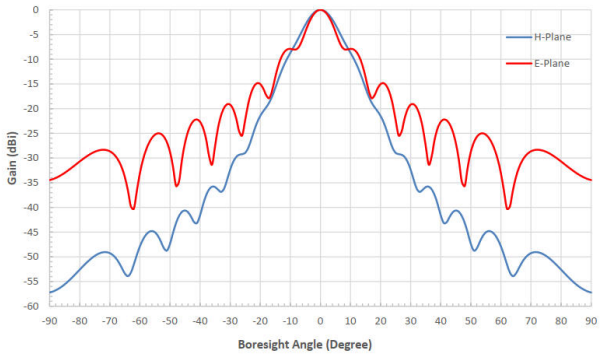


Electrical Specifications

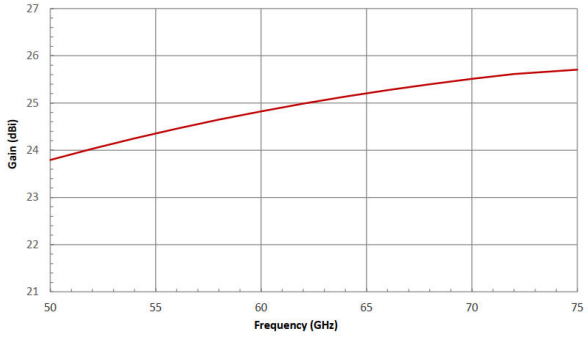
Frequency	(50-75) GHz
Gain	25dBi
Polarization Linear	Linear
3 dB Beamwidth, E-Plane	10°
3 dB Beamwidth, H-Plane	10°
Side Lobes, E-Plane	14dB
Side Lobes, H-Plane	30dB
Return Loss	23dB
Specification Temperature	+25 °C
Operating Temperature	-40°C-+85 °C

Test

Typical Antenna Paterrn @62.5 GHz



Typical Gain vs. Frequency



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