**Product Datasheet** Product ID: OLB-22-25



9.6

588

# **Standard Horn Antenna**

OLB-22-25

Standard gain horn antenna OLB-22-25 WR-22 is also known as a waveguide horn.

This WR-22 standard gain horn antenna has a 25 dB nominal gain and a square cover flange. Our 25 dB WR-22 horn antenna has a minimum frequency of 33.0 GHz and a maximum frequency of 50.0GHz.

Standard gain horn waveguide antenna OLB-22-25 has a vertical beam width of 10.2 and horizontal of 10.5 degrees at 3 dB.



#### Features

Low VSWR	
Light Weight	
Linear Polarization	
Low Return Loss	
Rectangular Waveguide Interface	
Lower sidelobes and symmetrical radiation patterns	

## **Applications**

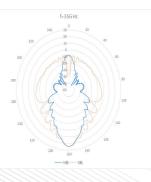
#### Antenna Ranges Antenna Gain Measurements System Setups

Array Elements

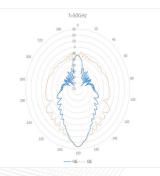
### **Electrical Specifications**

Frequency Range(GHz)	WG output 33.0-50.0 2.4mm-F 33.0-50.0
Gain(dB)	25 Тур
3dB Beam Width	H 10° / V 10°
Waveguide	WR22
Material	Cu
Output	FUGP400 (UG-383/U) 2.4mm-F
Size(mm) W x H x L	WG output 59x46x150 2.4mm-F 59x46x175
Net Weight(Kg)	WG output 0.15 Around 2.4mm-F 0.20 Around

## **AZIMUTH PATTERN**



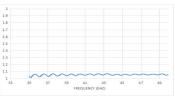




VSWR

11 6

Un t:mm



EC Microwave is trademark of Ocean Microwave All rights of respective trademark owners reserved. © EC Microwave 2017

**PRODUCT DIMENSIONS** 

144.8

UG387/U-M(FUGP400) Scale 2:1 Choulan;four hole fixing/oowled

0 4 X 3 (

<u>0 4X30</u>

2-ø170 lhrough hole

4X4-40UNC-23 Ø3.556 ₹0 762 396(dowel)

ŝ

Ø19.10

2-Ø16oowel

GAIN



84510.02

Ø952

Ø14 29

5.69 0.02