

Horn Antenna

OLB-19-20

This WR-19 standard gain horn antenna has a GAIN(19-21)dBi across the band and a square cover flange. It has a frequency of (40.0-60.0)GHz .

Standard gain horn antenna OLB-19-20 is known as a waveguide horn covers WG24, WR19,R500 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-19-20 has a V-Plane & H-Plane beam width from 18 degree to 23degree.



Features

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

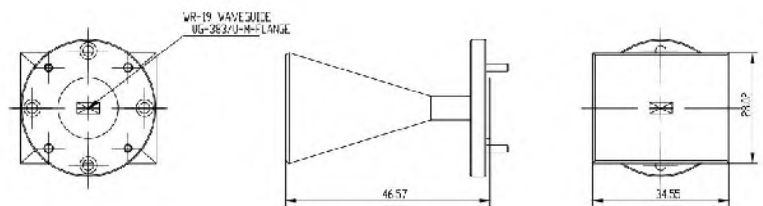
Applications

Antenna Ranges
Antenna Gain Measurements
System Setup

Electrical Specifications

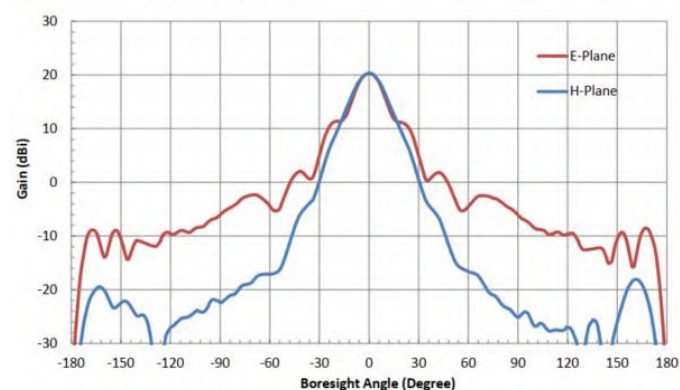
Frequency	(40-60) GHz
Gain	20dBi
Polarization Linear	Linear
3 dB Beamwidth, E-Plane	18°
3 dB Beamwidth, H-Plane	18°
Side Lobes, E-Plane	14dB
Side Lobes, H-Plane	30dB
VSWR	1.15:1

Product Dimensions



Test

Typical Antenna Pattern @ 50 GHz



Typical Gain vs. Frequency

