

Horn Antenna

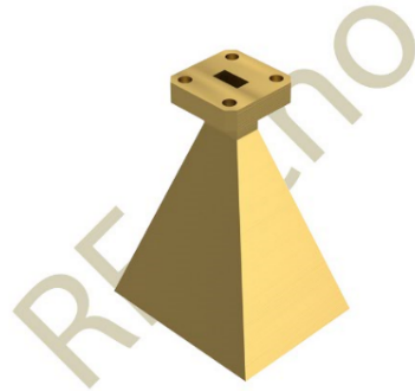
OLB-28-20

Model OLB-28-20 is a Ka-band pyramidal horn antenna that operates from 26.5 GHz to 40 GHz.

The antenna offers 20 dBi nominal gain and a typical half power beamwidth of 14 degrees on the E-plane and 16 degrees on the H-plane.

The antenna supports linear polarized waveforms.

The input of this antenna is a WR-28 waveguide with UG-599/U flange.



Features

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

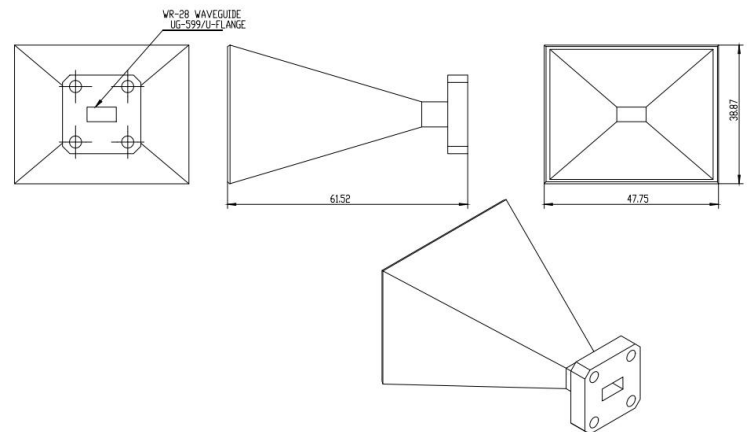
Applications

Antenna Ranges
Antenna Gain Measurements
System Setup

Electrical Specifications

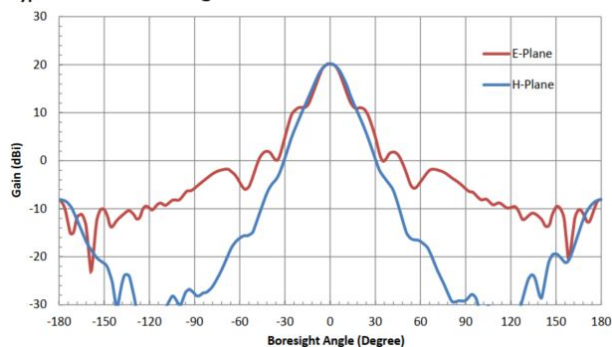
| | |
|-------------------------|--------------|
| Frequency | (26.5-40)GHz |
| Gain | 20dBi |
| Polarization Linear | Linear |
| 3 dB Beamwidth, E-Plane | 14° |
| 3 dB Beamwidth, H-Plane | 16° |
| Side Lobes, E-Plane | 14dB |
| Side Lobes, H-Plane | 30dB |
| VSWR | 1.15:1 |

Product Dimensions



Test

Typical Antenna Pattern @ 33.25 GHz



Typical Gain vs. Frequency

