

Horn Antenna

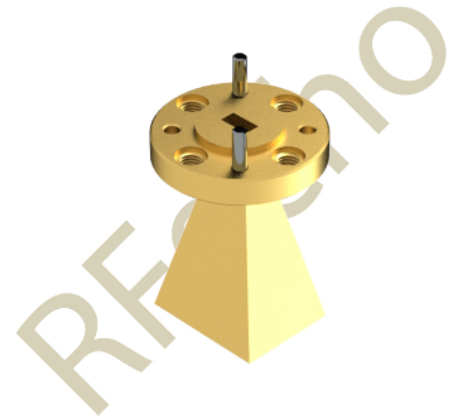
OLB-15-17

Model OLB-15-17 is a V-band pyramidal horn antenna that operates from 50 GHz to 75 GHz.

The antenna offers 15 dBi nominal gain and a typical half power beamwidth of 26 degrees on the E-plane and 25 degrees on the H-plane.

The antenna supports linear polarized waveforms.

The input of this antenna is a WR-15 waveguide with UG-385/U flange.



Features

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

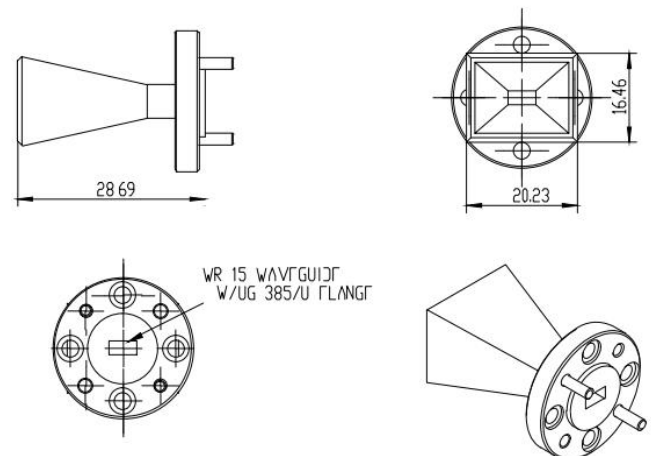
Applications

Antenna Ranges
Antenna Gain Measurements
System Setup

Electrical Specifications

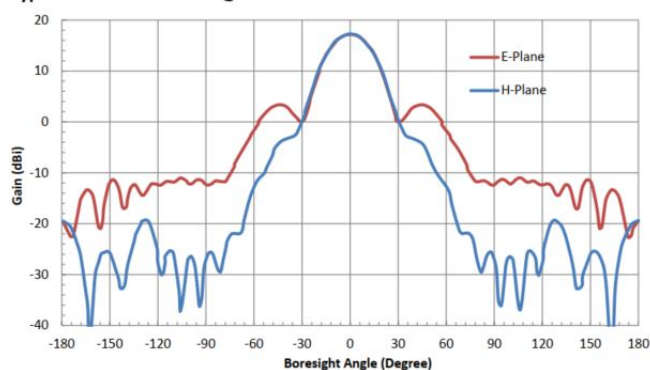
Frequency	(50 - 75) GHz
Gain	17dBi
Polarization Linear	Linear
3 dB Beamwidth, E-Plane	26°
3 dB Beamwidth, H-Plane	25°
Side Lobes, E-Plane	13dB
Side Lobes, H-Plane	36dB
VSWR	1.15:1

Product Dimensions



Test

Typical Antenna Patterns @ 62.5 GHz



Typical Gain vs. Frequency

