

Conical Antenna

OCN-125-25

Model OCN-125-25 is an E-band conical horn antenna that operates from 68 to 77 GHz.

The antenna offers 25 dB nominal gain and a typical half power beamwidth of 9 degrees on the E-plane and 10 degrees on the H-plane.

The horn also offers typical side lobes of -18 dB on the E-plane and -28 dB on the H-plane.

The conical horn can support linear and circular polarization.

The input of this antenna is a 0.125" diameter circular waveguide with UG-387/U-M flange.



Features

Circular Waveguide Interface

Precisely Machined and Gold Plated

High Return Loss

Linear Polarization

Applications

Antenna Ranges

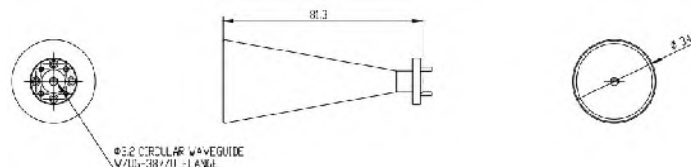
Feed Horns

System Setups

Electrical Specifications

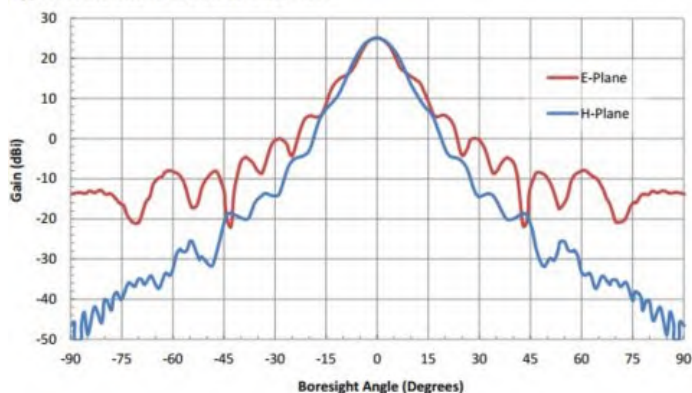
Frequency*	68GHz — 77GHz
Gain	25dB
3 dB Beamwidth, E-plane	9°
3 dB Beamwidth, H-plane	10°
Side Lobes, E-plane	-18dB
Side Lobes, H-plane	-28dB
VSWR	1.15:1
Specification Temperature	+25°C
Operating Temperature	-40°C — +85°C

Product Dimensions



Test

Typical Antenna Pattern @ 72.5 GHz



Typical Gain vs. Frequency

