

Conical Antenna

OCN-141-15

Model OCN-141-15 is a V-band conical horn antenna that operates from 58 to 68 GHz.

The antenna offers 15 dBi nominal gain and a typical half power beamwidth of 30 degrees on the E-plane and 36 degrees on the H-plane.

The horn also offers typical sidelobes of 16 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 0.141" diameter circular waveguide with UG-385/U-M flange.



Features

Circular Waveguide Interface

Precisely Machined and Gold Plated

High Return Loss

Linear and Circular Polarization

Applications

Antenna Ranges

Feed Horns

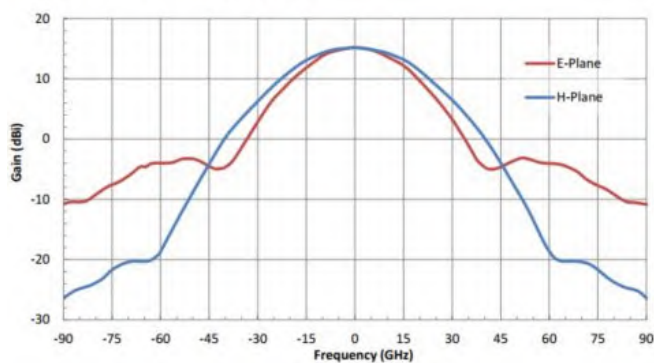
System Setups

Electrical Specifications

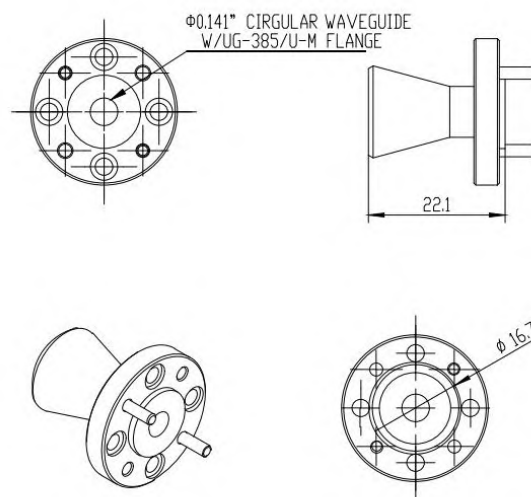
Frequency	(58-68) GHz
Gain	15dB
3 dB Beamwidth, E-plane	30°
3 dB Beamwidth, H-plane	36°
Side Lobes, E-plane	-16dB
Side Lobes, H-plane	-28dB
Return Loss	23dB
Specification Temperature	+25°C
Operating Temperature	-40°C — +85°C

Test

Typical Antenna Pattern @ 93.5 GHz



Product Dimensions



Typical Gain vs. Frequency

