

# Conical Antenna

## OCN-141-14

Model OCN-141-14 is a V-band conical horn antenna that operates from 58 to 68 GHz. The antenna offers 14 dB nominal gain, 30 degrees half power beamwidth, and 15 dB typical side lobe level at center frequency.

The conical horn antenna can support linear and circular polarization. The input of this antenna is a 0.141" diameter circular waveguide with UG-385/U flange.



### Features

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

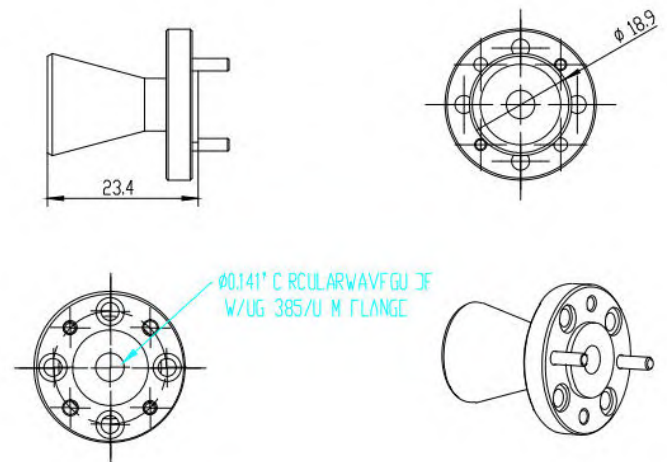
### Applications

Antenna Ranges  
Feed Horns  
System Setups

### Electrical Specifications

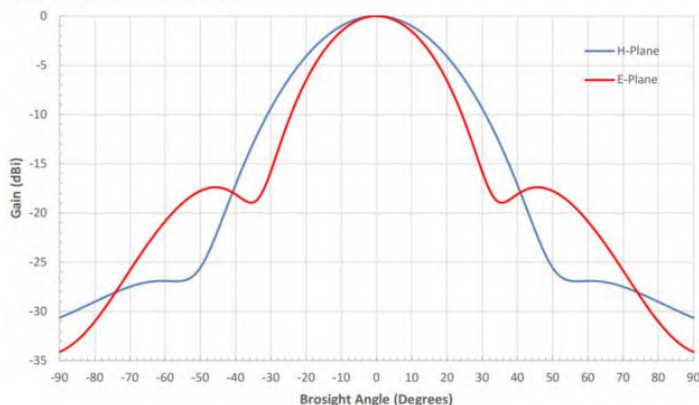
Frequency	58 GHz — 68 GHz
Gain	14 dBi
3 dB Beamwidth	30°
Side Lobe Level	-5 dB
Return Loss	23 dB
Specification Temperature	+25°C
Operating Temperature	-40°C — +85°C

### Product Dimensions



### Test

Typical Antenna Pattern @63 GHz



Typical Gain vs. Frequency

