

Conical Antenna

OCN-141-20

Model OCN-141-20 is a V-band conical horn antenna that operates from 58 to 68 GHz.

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

The horn also offers typical side lobes of 20 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

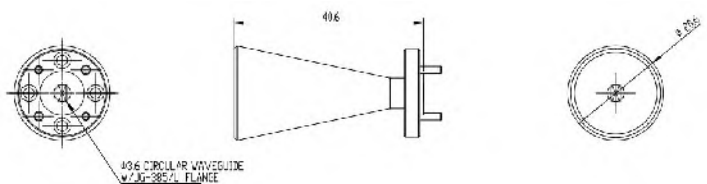
Applications

Antenna Ranges
Feed Horns
System Setups

Electrical Specifications

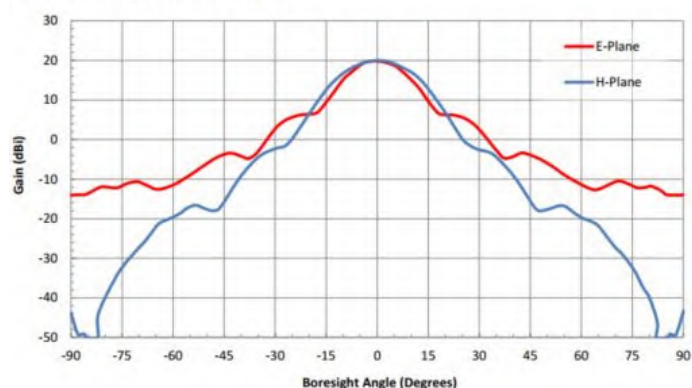
Frequency	(58-68) GHz
Gain	20dB
3 dB Beamwidth, E-plane	16°
3 dB Beamwidth, H-plane	20°
Side Lobes, E-plane	20dB
Side Lobes, H-plane	28dB
Return Loss	23dB
Specification Temperature	+25°C
Operating Temperature	-40°C — +85°C

Product Dimensions



Test

Typical Antenna Pattern @ 63 GHz



Typical Gain vs. Frequency

