EC MICROWAVE
The door to the RF world

Conical Antenna

OCN-12-23

Model OCN-12-23 is an E-band conical horn antenna with aWR-12 rectangular waveguide interface that operates from 68 to77 GHz.

The antenna offers 23 dB nominal gain and a typical half power beamwidthof 11 degrees on the E-plane and 13 degreeson the H-plane.

The horn also offers typical side lobes of -20 dBon the E-plane and -28 dB on the H-plane.

The conical horn can support linear polarization. The RF connector of this antenna is aWR-12 waveguide with UG-387/U flange.

Features

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

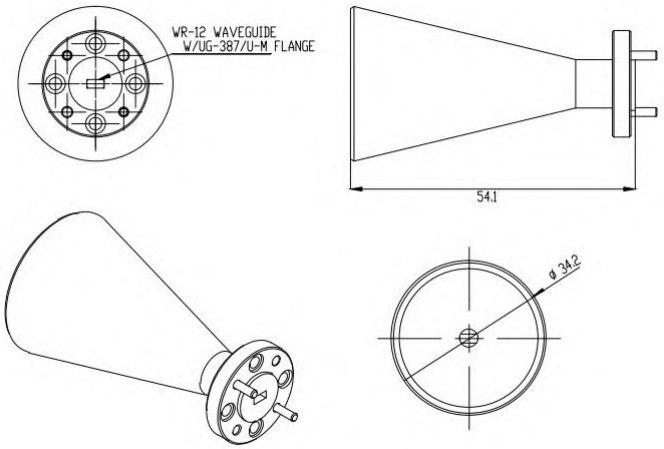
Applications

- Antenna Ranges
- Feed Horns
- System Setups

Electrical Specifications

Frequency	(68-77) GHz
Gain	23dB
3 dB Beamwidth, E-plane	11˚
3 dB Beamwidth, H-plane	13˚
Side Lobes, E-plane	-20dB
Side Lobes, H-plane	-28dB
VSWR	1.15:1
Specification Temperature	+25˚C
Operating Temperature	-40˚C —— +85˚C

Product Dimensions



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