

# **Corrugated Horn Antennas**

### **FEATURES:**

- Frequency coverage:8.2 to 170GHz
- Rectangular and circular waveguide interfaces
- 35% typical operating bandwidth
- Polarization Insensitive
- Low sidelobe levels
- Low return loss

#### <u>APPLICATIONS:</u>

- Feeds for lens and reflector antennas
- Rapid system setups
- Engineering setups



**CGA Series** 

#### **DESCRIPTION:**

**Cernex's CGA** Corrugated horn are offered in both standard and custom build models with either circular or rectangular waveguide interfaces.

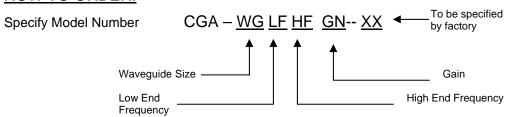
The standarad models offer 21 dBi nominal gain, 13 degrees half power beamwidth and 25 dB sidelobe level at center of frequency band and cover the frequency range of 8.2 to 170 GHz. In addition to the standard models listed, other frequency or gain value are available as custom models.

#### **SPECIFICATIONS:**

Waveguide Band	Χ	Ku	K	Ka	Q	U	V	Е	W	F	D
Waveguide Size	WR-90	WR-62	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10	WR-8	WR-6
Frequency Range (GHz)	9.0 to 11.0	13.0 to 15.0	22.0 to 25.0	33.0 to 38.0	38.0 to 43.0	43.0 to 50.0	58.0 to 68.0	66.0 to 80.0	90.0 to 98.0	115 to 140	140 to 160
Gain (dB)	21	21	21	21	21	21	21	21	21	21	21

CONTACT THE FACTORY FOR SPECIAL REQUIREMENTS

## **HOW TO ORDER:**



**Example:** To order a Corrugated Horn, 9.0-11.0GHz with 21dB Gain Rectangular Flange Interface, specify, CGA-90091121-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE