CERNEX, Inc.

Cassegrain Antennas

FEATURES:

- Low VSWR
- Aluminum or Fiberglass Construction
- Low Loss Performance at Millimeter Wave Frequencies
- Available from 2Ghz to 140Ghz

APPLICATIONS:

- Radar and Satellite Tracking
- Communication Systems

CCG Series

DESCRIPTION:

Cernex's CCG series cassegrain antenna consists of a parabolic reflector, a primary feed, a subreflector, and a feed support assembly of four low profile aluminum spars that are attached to the rim and the reflector to position the feed. The CCG cassegrain antenna feature a precision aluminum main reflector that provides excellent performance at millimeter wave frequencies between 18 to 140 GHz. The CCGI series antennas feature metallized fiberglass reflectoras and are available from 12.4 to 140 GHz. They offer very high performance in a lightweight antenna structure. These antennas are available in effective diameters of 10 to 120 inches. Because of the low surface tolerance (typically 0.0025 inch RMS) they provide excellent high frequency radiation characteristics.

SPECIFICATIONS:

Effective Diameter (Inches)			12	18	24	36	48
CCG	A	in	14	16	20	--	--
		mm	376	564	716	--	--
	B	in	12	18	28	--	--
		mm	257	338	394	--	--
CCGI	C	in	--	13.3	15.5	20.9	23.0
		mm	--	338	394	531	594
	D	in	--	22.2	28.2	39.1	54.0
		mm	--	564	706	993	1372

NOTE: Contact the factory for more details.

HOW TO ORDER:

Specify Model Number

CCG – WG LF HF GN -- XX ← To be specified by the Factory

Waveguide Size

Low End Frequency

Gain

High End Frequency

Example: To order WR-15 cassegrain antenna with a frequency from 50 to 75Ghz, and 35dbi gain, specify CCG15507535-XX .

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE