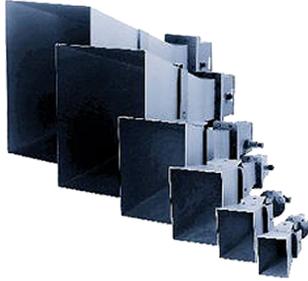


ANTENNA MODEL 3161



ETS-Lindgren's Model 3161 Octave Horn Antennas cover a bandwidth of 1 to 8 GHz. All models in the series are linearly polarized, have medium gain, optimum half power beam width (equal in both horizontal and vertical planes), and low VSWR.

MODEL 3161

- Constant Antenna Factor Over Frequency
- Complete with Feed, Waveguide, Mount
- Increased Power Dissipation
- Optimal Beam Width
- Low VSWR

Electrical Specifications

Model	Frequency	E-Plane	H-Plane	Maximum Continuous Power	Antenna Factor	Gain	Typical Field Strength
3161-01	1.00 to 2.00 GHz	26	26	550 W	16.9 db (1/m)	16.3 dBi	700 V/m
3161-02	2.00 to 4.00 GHz	22	22	250 W	22.3 db (1/m)	17.5 dBi	500 V/m
3161-03	4.00 to 8.00 GHz	22	22	250 W	28.3 db (1/m)	17.5 dBi	500 V/m

Physical Specifications

Model	Connectors	Wave Guide No.	Weight
3161-01	Type N (F)	WR-650	8.00kg (17.64 lb)
3161-02	Type N (F)	WR-320	5.00kg (11.02 lb)
3161-03	Type N (F)	WR-159	2.00kg (4.41 lb)

Physical Specifications

Model	Width	Depth	Height
3161-01	53.14 cm (20.92 in)	88.05 cm (34.67 in)	39.86 cm (15.69 in)
3161-02	34.61 cm (13.63 in)	59.34 cm (23.36 in)	23.17 cm (9.12 in)
3161-03	17.47 cm (6.88 in)	31.88 cm (12.55 in)	11.74 cm (4.62 in)