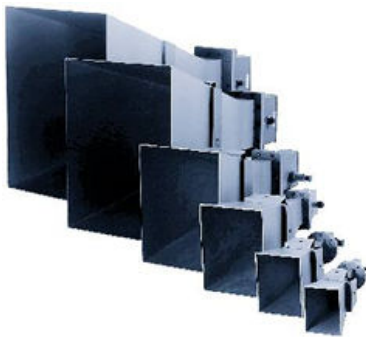


3161 OCTAVE HORN ANTENNA

ETS-Lindgren's Model 3161 Octave Horn Antennas cover a bandwidth of 1 to 8 GHz.



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.

Key Features

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

Specifications

Electrical Specifications

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

Physical Specifications

Model	Wave Guide No.	Weight	Width	Depth	Height
3161-01	WR-650	8.00 kg (17.64 lb)	53.14 cm (20.92 in)	88.05 cm (34.67 in)	39.86 cm (15.69 in)
3161-02	WR-320	5.00 kg (11.02 lb)	34.61 cm (13.63 in)	59.34 cm (23.36 in)	23.17 cm (9.12 in)
3161-03	WR-159	2.00 kg (4.41 lb)	17.47 cm (6.88 in)	31.88 cm (12.55 in)	11.74 cm (4.62 in)

Other Specifications

- Horn Assembly Consisting of Coaxial Feed, Flanged Waveguide, and Mounting Bracket
- Mounting Bracket with 1/4 x 20 Threads
- Complete calibration factors and signed Certificate of Conformance included in manual.
- Manual