



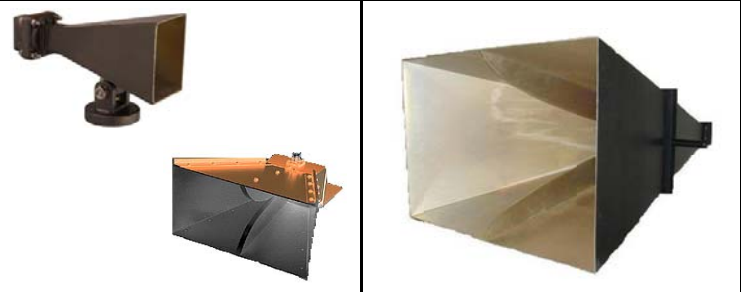
ANT-BHA Series Broadband Gain Horns

0.20 – 40 GHz • 200 – 1000 Watts, Minimum Rated Power

The BHA-Series of antennas are broadband antennas and in some cases operate over multi-octave frequency ranges. These high-power broadband horn antennas operate over the 200MHz to 40GHz frequency range. The horn antennas are linearly polarized and designed to provide strong electric field strength (V/m). The antennas offer low VSWR (1.5:1 max.), and some models are for high power handling capability. They are ideal for EMC testing (radiated susceptibility testing) and other applications. The BHA-Series are manufactured from aluminum so they are lightweight and durable. The antennas where applicable come with tripod mounting capability for quick and easy implementation during testing.

Features Include:

- Lightweight aluminum material
- Horns are Linearly Polarized
- Low VSWR
- Multiple types of Flanges available
- High power operation
- Ideal for automatic swept field susceptibility testing



IFI Broadband Horn Antenna Specifications:

Power Handling Capability	See Model Table
Frequency Range	See Model Table
Input Impedance	50 ohms nominal
Output Port Impedance	50 ohms nominal
VSWR	Less than 1.5:1 typical maximum
Physical Size	See Model Table
Connectors	See Model Table

Models & General Specifications:

Model Number	Frequency Range (GHz)	Rated Power (Watts min)	Connector Type	Dimensions nom. (W x H x L) inches	Gain (dBi) nominal				
					10	12	15	20	-XX
ANT-BHA102-800	0.2-1.0	500	N Female	28 x 38 x 36	5-10	N/A	N/A	N/A	N/A
ANT-BHA 251-500	1.0-2.5	500	N Female	15 x 13 x 14	-10	-12	-15	-20	-XX
ANT-BHA 42-500	2.0-4.0	500	N Female	7 x 5 x 10	-10	-12	-15	-20	-XX
ANT-BHA 84-500	4.0-8.0	500	N Female	7 x 5 x 10	-10	-12	-15	-20	-XX
ANT-BHA 82-500	2.0-8.0	500	N Female	7 x 5 x 10	-10	-12	-15	-20	-XX
ANT-BHA 7525-500	2.5-7.5	500	N Female	7 x 5 x 10	-10	-12	-15	-20	-XX
ANT-BHA 188-500	7.5-18.0	500	N Female	7 x 5 x 15	-10	-12	-15	-20	-XX
ANT-BHA 186-500	6.5-18.0	500	N Female	7 x 5 x 15	-10	-12	-15	-20	-XX
ANT-BHA 2618-200	18.0-26.5	200	WR42	2 x 2 x 4	-10	-12	-15	-20	-XX
ANT-BHA 4026-200	26.5-40.0	200	WR28	2 x 2 x 4	-10	-12	-15	-20	-XX
ANT-BHA 102-1KW	0.2-1.0	1000	7/16 Female	28 x 38 x 36	5-10	N/A	N/A	N/A	N/A
ANT-BHA 251-1KW	1.0-2.5	1000	7/16 Female	15 x 13 x 14	-10	-12	-15	N/A	-XX
ANT-BHA 42-1KW	2.0-4.0	1000	7/16 Female	12 x 10 x 24	-10	-12	-15	-20	-XX
ANT-BHA 84-1KW	4.0-8.0	1000	7/16 Female	12 x 10 x 24	-10	-12	-15	-20	-XX
ANT-BHA 82-1KW	2.0-8.0	1000	7/16 Female	22 x 15 x 30	-10	-12	-15	-20	-XX
ANT-BHA 7525-1KW	2.5-7.5	1000	7/16 Female	22 x 15 x 30	-10	-12	-15	-20	-XX
ANT-BHA 188-1KW	7.5-18.0	1000	WRD 750	7 x 5 x 12	-10	-12	-15	-20	-XX
ANT-BHA 186-1KW	6.5-18.0	1000	WRD 650	7 x 5 x 12	-10	-12	-15	-20	-XX
ANT-BHA 81-400	1.0-8.0	400	N Female	8 x 6 x 10	8-12	N/A	N/A	N/A	-XX
ANT-BHA 121-400	1.0-12.0	400	N Female	8 x 6 x 10	8-12	N/A	N/A	N/A	-XX
ANT-BHA 181-400	1.0-18.0	400	N Female	9 x 6 x 10	6-10	N/A	N/A	N/A	-XX

Note: Antenna dimensions increase with higher gain models. -XX denotes a specific gain that may be required.