

# Horn Antenna Series

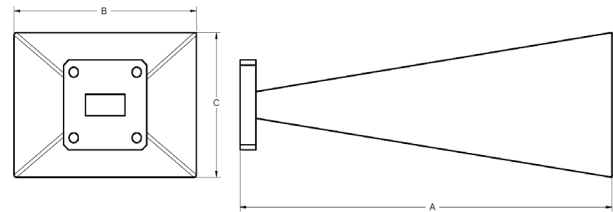
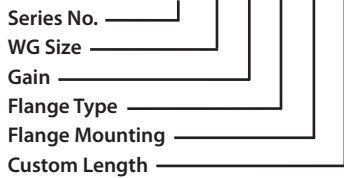
Series No: 155

## Part Description

UBS offers a series of precision horn antennas covering waveguide sizes from WR-28 through WR-650. The assembly construction includes precision ground observing elements for optimum electrical performance.

## Ordering Data

Part number - 155 - X - X - X - X - X



## Flange Configuration

<b>Flange Type</b>	C - Cover G - Groove CHOKE CMR CPR CPR(F, G)
<b>Flange Mounting Holes</b>	T1 - Through Holes T2 - Threaded A - Alternating

## Specifications

Size	Frequency GHz	Dimensions (inches)								
		10 dB			15 dB			20 dB		
		A	B	C	A	B	C	A	B	C
WR28	26.50 - 40.00									
WR34	22.00 - 33.00									
WR42	18.00 - 26.50	1.24	0.62	0.43	2.35	1.15	0.84	4.09	2.13	1.56
WR51	15.00 - 22.00									
WR62	12.40 - 18.00	1.15	1.10	0.62	2.41	1.67	1.32	5.92	2.88	2.11
WR75	10.00 - 15.00	1.95	1.62	0.93	4.65	2.23	1.32	8.32	4.04	2.97
WR90	8.20 - 12.40	2.07	1.51	1.12	5.44	2.63	1.92	10.2	5.16	3.75
WR112	7.05 - 10.00									
WR137	5.85 - 8.20	3.12	2.03	1.44	6.53	3.45	2.51	12.33	6.71	4.70
WR159	4.90 - 7.05									
WR187	3.95 - 5.85									
WR229	3.30 - 4.90									
WR284	2.60 - 3.95									
WR340	2.20 - 3.30									
WR430	1.70 - 2.60									
WR650	1.12 - 1.70									

## Electrical Specification

<b>VSWR</b>	1.15 max.
<b>Gain</b>	10 dB, 15 dB, 20 dB
<b>Gain Variance</b>	± 2.0 dB

**STANDARD FINISH:** is electroless corrosion protection for the metal surface. Non standard configurations and finishes (Silver, Nickel, Cadmium plating) are available upon request. Waveguide sizes up to WR-650 available. Contact our sales department with your requirements.