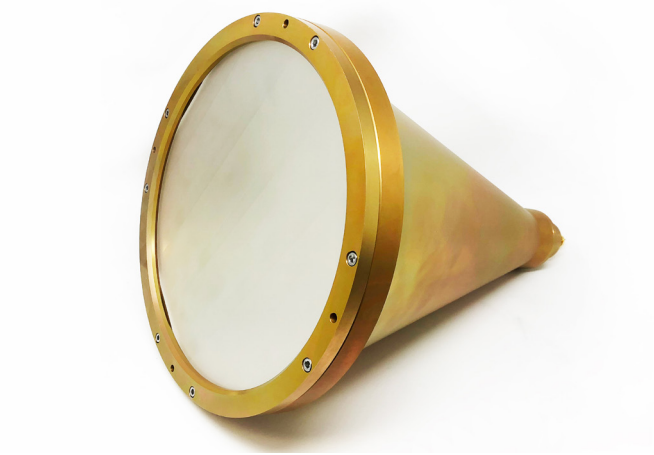
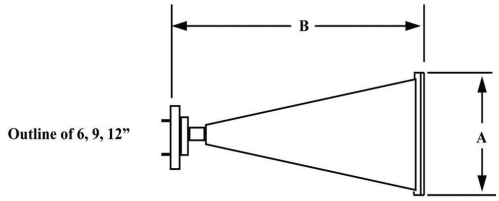
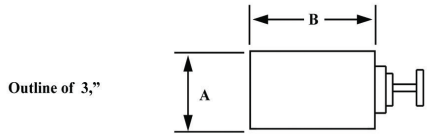
MI-WAVE®
Millimeter Wave Products Inc.







Please Note:

- Final dimensions are subject to variations from the tabulated date due to tuning, focusing, and mechanical tolerances.

Description

Mi-Wave's 258 Series horn lens antenna consists of a circular scalar feed horn illuminating a piano-convex lens. Housed in either aluminum or plastic, these horn lens antennas provide a high efficiency beam with equal E and H plane amplitude patterns.

- 8.4 to 260Ghz Available
- Low Cost
- High Directivity and Gain
- Simple Mechanical Performance
- Wide Range of Available Beamwidths and Reflector Sizes

The 258 Series antennas are available from 8 to 170 GHz in standard sizes of 3, 6, 9, and 12 inch lens apertures. Other custom sizes and configurations are available, please consult Mi-Wave for further information.

Applications

Radars, Radioastronomy, Surveillance Equipment, and Communication Systems

Dimensional Specifications					
Model No.	Effective Diameter	A		B	
	in.	in.	mm	in.	mm
258KU	12	14.0	356	21.0	533
258K	9	11.0	276	15.7	399
258K	12	14.0	356	19.5	495
258A	3	4.1	104	8.30	210
258A	6	7.6	193	11.1	282
258A	9	11.0	276	14.0	356
258A	12	14.0	356	18.2	462
258B, U	3	4.1	104	8.3	210
258B, U	6	7.6	193	10.6	269
258B, U	9	11.0	279	14.0	356
258B, U	12	14.0	356	17.7	450
258V, E, W	3	4.2	107	6.0	152
258V, E, W	6	7.6	193	9.6	244
258V, E, W	9	11.0	279	13.0	330
258V, E, W	12	14.0	356	16.7	424

Consult for current outline diemensions

Typical Electrical Specifications	
Frequency	12.4 to 140 GHz
Sizes	3, 6, 9, 12
Sidelobes	25dB (typical)
VSWR	1.2:1 (typical)
Cross Polarization	25dB (typical)

Ordering Information