

# 258 Series

# Horn Lens Antennas



## Features

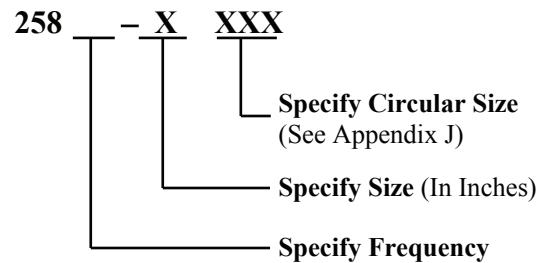
- Low Sidelobes
- Wide Bandwidths
- No Aperture Blockage
- Symmetrical E and H Plane Beamwidths

## Description 258 Series Horn Lens Antennas

*Mi-Wave's* 258 series horn lens antenna consists of a circular scalar feed horn illuminating a plano-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.

The 258 series antenna are available from 12.4 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.

## Ordering Information



## Applications

Radioastronomy  
Surveillance Equipment  
Communication Systems

# *Mi-Wave*

Millimeter Wave Products Inc.

[www.miwv.com](http://www.miwv.com)

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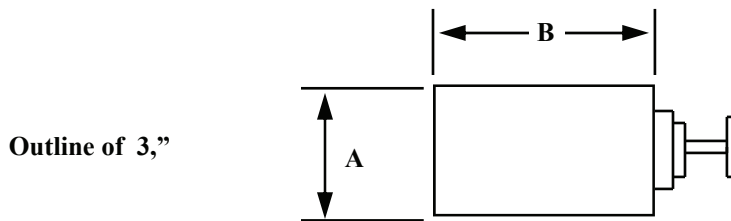
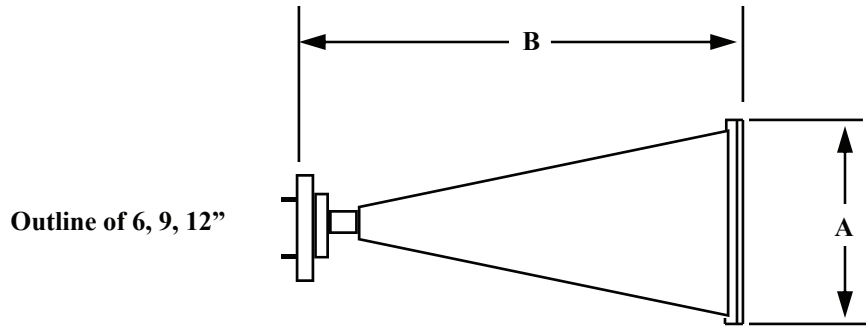
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Please Note: Final dimensions are subject to variations from the tabulated data due to tuning, focusing, and mechanical tolerances.

## Dimensional Specifications

Model No.	Effective Diameter (Inches)	A		B	
		in	mm	in	mm
258KU	-12	14.0	356	21.0	533
258K	-9	11.0	279	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	279	14.0	356
258A	-12	14.0	356	18.2	462
258B, U	-3	4.1	104	8.3	210
258B, U	-6	7.60	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

## Typical Electrical Specifications

Frequency	12.4 to 140 GHz
Sizes	3, 6, 19, 12
Sidelobes	25dB (typical)
VSWR	1.2:1 (typical)
Cross Polarization	25dB (typical)

**Mi-Wave**

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