

262 Series

Conical Horn Antennas



Features

- Available from 12.4 to 220 GHz
- Nominal Gain of 15, 20 and 25 dBi
- Made with Precise Dimensional Tolerance Control
- Gain Calibration is Accurate to 0.5 dB Over Full Waveguide Bandwidth

Description 262 Series Horn Antennas

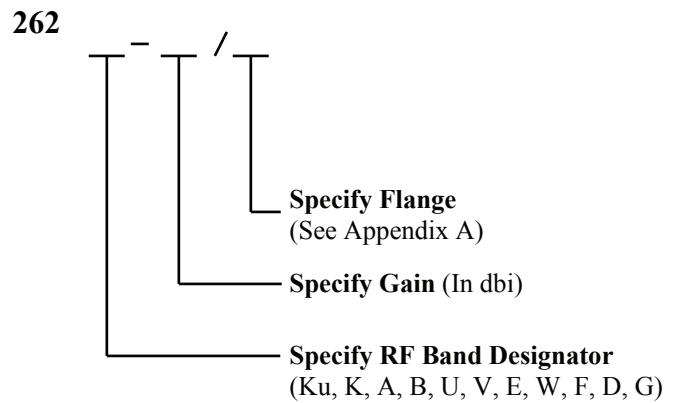
Mi-Wave's 262 series conical horns are fabricated with very close tolerances to ensure the precision of every horn manufactured by **Mi-Wave**. Each unit is supplied with a short section of circular waveguide and terminated in a standard round flange.

Conical horns can be used to determine experimentally the gain of other antennas by using the substitution method. The conical horn and the antenna under test are alternately connected to a well-matched detector system in order to compare their relative power levels. The power level difference is then added to the appropriate level of the calibration curve to determine the absolute gain of the antenna under test.

Conical horns are also useful as power monitors in radar transmitter tests, known-gain radiators in field propagation studies, and transmitting or receiving antennas in test bench applications. The completed units are gold-plated.

Please Note: 10, 15, and 20 dB models are available in all bands.

Ordering Information



For Example: Model number 262 W/387 is a conical horn operating in W-band with a 387 type flange.

Mi-Wave

Millimeter Wave Products Inc.

www.miwv.com

2200 Tall Pines Drive, Suite 100

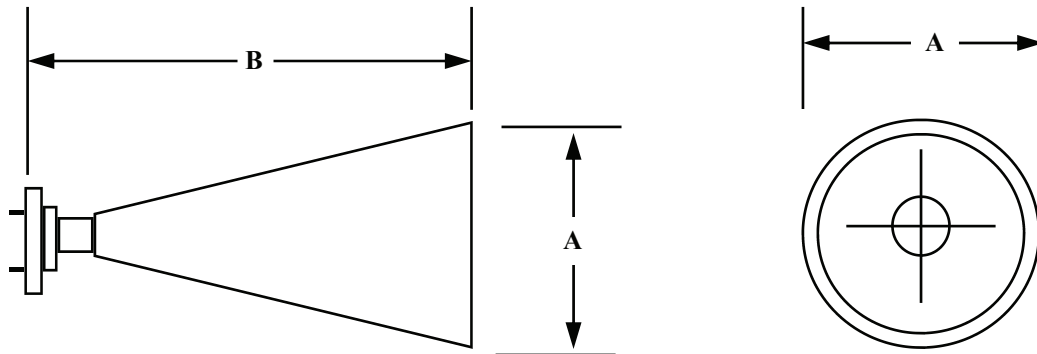
Largo, FL 33771

Tel. (727) 536-0033 Fax. (727) 536-0012

E: sales@miwv.com

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Specifications

Model Number	Frequency Band (GHz)	Pipe Diameter	A		B	
			in	mm	in	mm
262Ku	12.4-18.0	(see note)				
262K	18.0-26.5	(see note)				
262A	26.5-40.0	(see note)				
262B	30.0-50.0	(see note)				
262U	40.0-60.0	(see note)				
262V	50.0-75.0	(see note)				
262E	60.0-90.0	(see note)				
262W	75.0-110.0	(see note)				
262F	90.0-140.0	(see note)				
262D	110.0-170.0	(see note)				
262G	140.0-220.0	(see note)				

Consult **Mi-Wave** for Dimensions Due to Wide Variety of Circular Waveguide Sizes and Gain Options.

Please Note: Please refer to chart for correct pipe size based on center frequency and bandwidth.

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