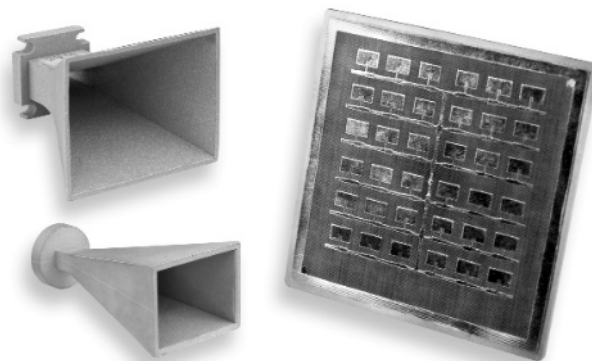


## Features

- Low Cost
- Diecast Construction
- Waveguide Mounting
- Small Size

## Applications

- Speed Radars
- Radar Decoys
- Intrusion Alarm Systems
- Door Openers
- Object Detection



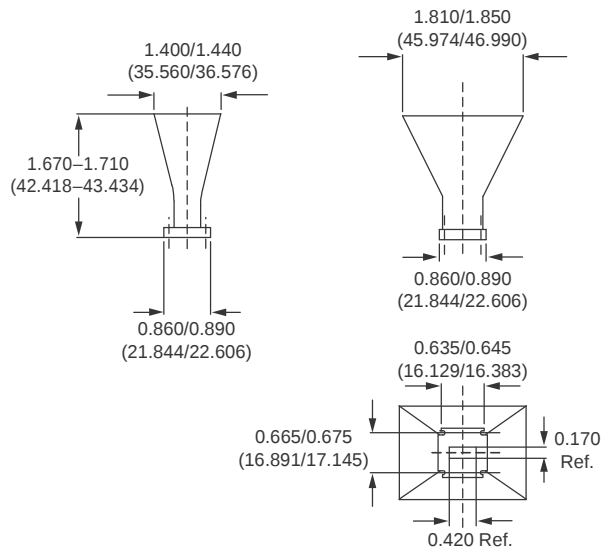
## Description

These microwave antennas are designed for commercial applications as a low-cost method for transmitting microwave energy. These antennas utilize high-gain properties and shaped-beam patterns that are suitable for most applications.

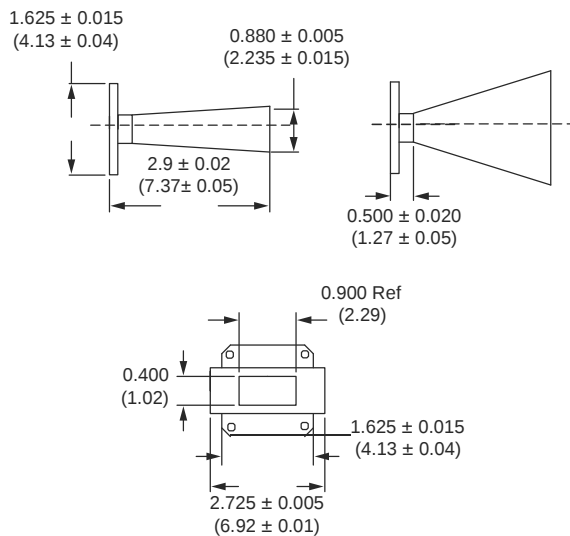
## Specifications @ 25°C

| Model Number           | Description         | Center Frequency (GHz) | Usable Frequency Range (GHz) | Nominal E-Plane Beamwidth (Deg.) | Nominal H-Plane Beamwidth (Deg.) | Nominal Gain (dB) |
|------------------------|---------------------|------------------------|------------------------------|----------------------------------|----------------------------------|-------------------|
| <b>X Band Antennas</b> |                     |                        |                              |                                  |                                  |                   |
| MDT86554               | Pyramidal Horn Ant. | 10.525                 | 8–12                         | 70                               | 30                               | 12                |
| <b>K Band Antennas</b> |                     |                        |                              |                                  |                                  |                   |
| MDT86552               | Pyramidal Horn Ant. | 24.150                 | 18.0–26.5                    | 20                               | 30                               | 17                |
| MDT5864                | Planar Array Ant.   | 24.125                 | 24.00–24.25                  | 14                               | 14                               | 18                |
| MDT6386 <sup>1</sup>   | Pyramidal Horn Ant. | 24.150                 | 18.0–26.5                    | 17                               | 29                               | 18                |
| <b>V Band Antennas</b> |                     |                        |                              |                                  |                                  |                   |
| MHA4200                | Pyramidal Horn Ant. | 77.000                 | 76–78                        | 20                               | 15                               | 20                |

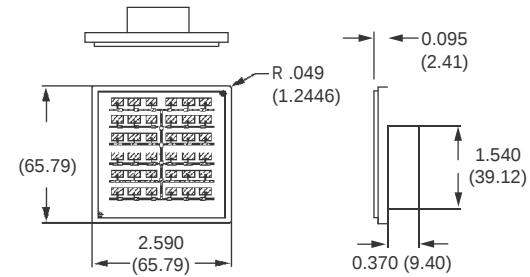
1. With integrated harmonic filter.

**MO86552**


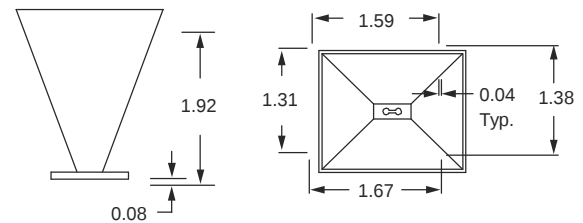
Dimensions are in inches (mm).

**MDT86554**


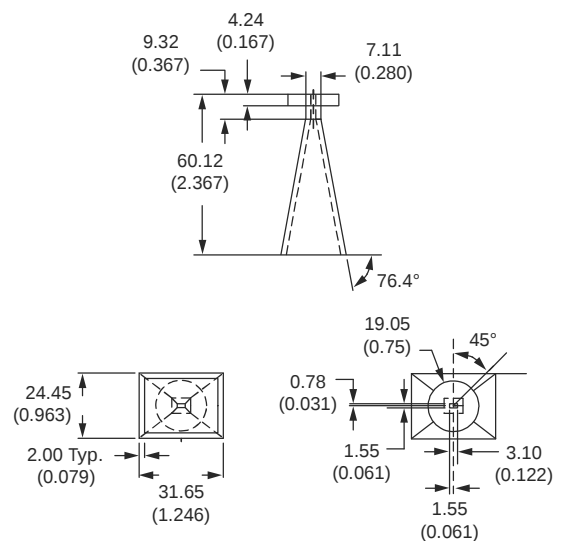
Dimensions are in inches (mm).

**MO5864**


Dimensions are in inches (mm).

**MDT6386**


Dimensions are in inches.

**MHA4200**


Dimensions are in inches (mm).