

IP55 Microwave Horn Antenna 5GHz-7GHz Dual Polarization

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Famous
- Certification: CE ISO9001
- Model Number: Horn Antenna
- Minimum Order Quantity: 1 SET
- Price: Negotiable
- Packaging Details: Standard export packaging/customizable packaging
- Payment Terms: T/T L/C



Product Specification

- Name: Symmetrical Horn Antenna
- Diameter Of Mounting Pole: $\Phi 51 \sim \Phi 114$ Mm
- Antenna Connection: Waveguide (special Made By Dongguan Famous Precision) Or SMA
- Net Weight: 2.5kgs/5.5lb
- Material: UV Stabilized PC, Aluminum Alloy
- Wind Survivability: 200 Km/h
- Wind Loading: 200 Km/h
- Mechanical Adjustment: $\pm 25^\circ$ Elevation, $\pm 25^\circ$ Azimuth
- Pole Compatibility: $\Phi 40$ To 60 Mm
- Weatherproofing: IP55
- Highlight: **5GHz-7GHz microwave horn antenna, Dual Polarization microwave horn antenna, IP55 microwave horn**



Product Description

IP55 Horn Antenna 5GHz-7GHz Dual Polarization

- Aluminum Die Casting Horn and Bracket
- Noise rejection and isolation band reuse
- Easy to amount, easy to adjust antenna elevation angle
- Small size, light weight, less wind load, need less space on Tower
- Include two pigtail cable assembly, N male to RPSMA

Feature

Wideband Performance: Microwave horn antennas offer stable performance over a wide frequency range, making them suitable for applications that require coverage across multiple frequencies, such as radar systems and wireless communication.

High Gain: Microwave horn antennas have high gain characteristics, enhancing signal strength during transmission to improve communication quality and coverage range.

Low Beam Divergence: These antennas can control beam divergence by adjusting their shape and size, enabling precise directional signal transmission to reduce signal waste and interference.

Interference Resistance: Due to their beam divergence and high gain, Microwave horn antennas exhibit a certain level of resistance to interference, maintaining stable signal transmission even in complex electromagnetic environments.

Durability: These antennas are typically made from durable materials, capable of withstanding harsh weather conditions and prolonged use while maintaining stable performance.

Electrical performance:

| | Frequency Range (GHz) | Gain (dBi) | Azimuth Beam Width -3dB | Elevation Beam Width -3dB | Azimuth Beam Width -6dB | Elevation Beam Width -6dB | Front/Back Ratio(dB) | VS WR | Polarization |
|--------------------|-----------------------|-----------------------------------------------------------------------------------------|-------------------------|---------------------------|-------------------------|---------------------------|----------------------|-------|--------------|
| 30° | 5.0-7.0 | 18 | H21° V21° | H21° V21° | H30° V30° | H30° V30° | 37 | ≤1.8 | Dual-Linear |
| 40° | 5.0-7.0 | 16 | H27° V27° | H27° V27° | H40° V40° | H40° V40° | 35 | ≤1.8 | Dual-Linear |
| 50° | 5.0-7.0 | 14 | H33° V33° | H33° V33° | H50° V50° | H50° V50° | 33 | ≤1.8 | Dual-Linear |
| 60° | 5.0-7.0 | 13 | H41° V41° | H41° V41° | H60° V60° | H60° V60° | 32 | ≤1.8 | Dual-Linear |
| 70° | 5.0-7.0 | 11 | H50° V50° | H50° V50° | H70° V70° | H70° V70° | 30 | ≤1.8 | Dual-Linear |
| 80° | 5.0-7.0 | 10 | H60° V60° | H60° V60° | H80° V80° | H80° V80° | 29 | ≤1.8 | Dual-Linear |
| 90° | 5.0-7.0 | 9 | H67° V67° | H67° V67° | H90° V90° | H90° V90° | 28 | ≤1.8 | Dual-Linear |
| Antenna Connection | | Waveguide (special made by Dongguan Famous Precision) or SMA | | | | | | | |
| Net Weight | | 2.5kgs/5.5lb | | | | | | | |
| Material | | UV stabilized PC, aluminum alloy | | | | | | | |
| Wind survivability | | 200 km/h | | | | | | | |
| Wind loading | | 200 km/h | | | | | | | |
| Mounting | | Mechanical adjustment: ±25° elevation, ±25° azimuth Pole compatibility: Ø40 to 60 mm | | | | | | | |
| Weatherproofing | | IP55 | | | | | | | |





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