Low VSWR Low loss Elliptical Waveguide Microwave Accessories

Our Product Introduction

Basic Information

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

Product Specification

- Features: Low VSWR,Low Loss
- Name: Elliptical Waveguide
- Inner: Brass
- Outer: Black PE
- Application: Radar,Satellite Earth Stations
- Highlight: **Low VSWR Elliptical Waveguide**, **Low loss Elliptical Waveguide**, **Elliptical Waveguide Microwave Accessories**

Our Product Introduction

for more products please visit us on mw-antenna.com

Product Description

Elliptical Waveguide and Transition

Elliptical waveguides and transitions are essential for efficiently guiding microwave and RF signals through complex system architectures. They facilitate seamless transitions between different waveguide formats, ensuring optimal signal integrity and minimal loss. These components are widely used in telecommunications, radar systems, and satellite communications for their superior performance in tight spaces and curved paths.

Key Features

Advanced Construction
Material: Utilizing corrugated elliptical copper tubes, our waveguides ensure superior electrical performance and durability.
Jacket Material: Covered with UV-resistant, black polyethylene for added protection against environmental factors.

Wide Frequency Range
Frequency Range: Our elliptical waveguides operate efficiently across a broad frequency spectrum from 3 to 40 GHz, accommodating a wide array of applications.

Ultra-Low Loss Coaxial Cable
Coaxial Cable Range: Spanning 2 to 40 GHz, our coaxial cables are designed for ultra-low loss, flexibility, and phase stability, ensuring minimal signal degradation.
Comprehensive Solutions
Complete Systems: Beyond waveguides, we provide all necessary tools, materials, and accessories for a comprehensive transmission line solution.

Environmental Durability
Operating Conditions: Designed to withstand extreme temperatures from -50°C to +85°C, ensuring reliable performance under various environmental conditions.

Pressure Resistance
Max Operational Pressure: Our waveguides can withstand up to 0.3 bar, with a test pressure capacity of 0.5 bar, indicating robustness against physical stress.

Applications

Dolph Microwave's elliptical waveguide and transition solutions are indispensable in a multitude of settings:

Telecommunications: Enhancing signal transmission in cellular and broadband networks.

Radar Systems: Providing reliable signal pathways in air traffic control and maritime navigation.

Satellite Communications: Ensuring clear and stable connections for satellite uplink and downlink.

Research and Development: Supporting cutting-edge scientific research requiring precise microwave transmission.

Military Applications: Offering durable and reliable communication lines in various defense systems.

Elliptical Waveguide

<table>
<tr><td colspan="2">Construction

·Inner:Brass
·Outer:Black PE</td></tr>
<tr><td>Features
·Low VSWR,Low loss
·Long length transport and install</td><td>
·Good flexible
·Corrosion resistance,Radiation</td></tr>
<tr><td colspan="2">Application
·Radar,Satellite earth stations
·Microwave relay,Broadcast</td></tr>
</table>

Famous Precision
OEM & ODM for microwave communication antennas
Wuxi Famous Communication Equipment Co., Ltd.
+86 13255118228 eric@mw-antenna.com mw-antenna.com
Room 803, Wisdom Building, No. 18 Wisdom Road, Huishan Economic Development Zone, Huishan District,

Wuxi City, Jiangsu Province, China