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Mobile Mark Industrial 2.4 GHz Omnidirectional Antenna, 6 dBi, High Vibration

SKU
ANT-MM-00006
MPN
OD6-2400MOD2-BLK

Description

The OD6-2400 Series Data Transfer Network Antenna is popular because of its high-performance and rugged construction. The base is irridited for weather protection and the antenna elements are enclosed in a durable fiberglass radome. The OD antennas normally terminate with a female N connector.

The OD Series antennas provide omnidirectional coverage for WiFi 2.4 GHz applications. Four models are available from 3 to 12 dBi gain, with this model having a medium-high gain of 6 dBi. These antennas are collinear arrays. Unique phasing cancels out-of-phase current distribution, improving performance. The OD series are free space antennas; no ground plane is required.

The antennas are durable and rugged. They can withstand the harshest environments of snow, wind, rain and ice.

Mobile Mark's OD6-2400 2.4 GHz WiFi antenna has been selected as the model preferred by most mining and industrial applications due to its extreme reliability. The model has been shock and vibration tested in accordance with EN 300 019-2-4 and IEC 60068 environmental testing standards.

Of all models in the series OD6-2400 is most commonly deployed due to its 25 degree elevation beamwidth, allowing it to support consistent connectivity on moving / mobile plant and machinery.

Read More



Mobile Mark

Mobile Mark, Inc. is a leading supplier of antennas to wireless companies throughout the world. They offer innovative designs, quality manufacturing, and reliable performance. Many of their products feature innovative, patented designs, available only from Mobile Mark.

Established in 1984, Mobile Mark global headquarters, which includes design and production capacity, is located near Chicago, IL ...

RF Specification

Start Frequency
2400 MHz
Stop Frequency
2485 MHz
Max. Input Power
100 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

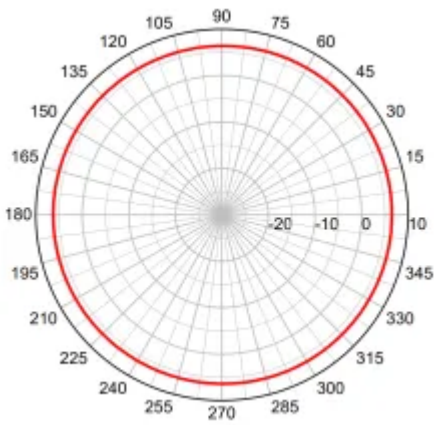
RF Interface	Body Shape
N Female	Straight

Frequency Test Data

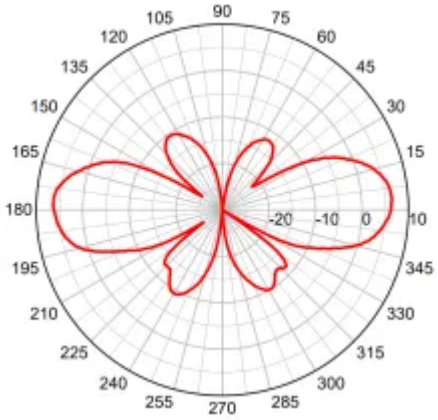
Start Freq.	Stop Freq.	Peak Gain	VSWR	Elevation
2400 MHz	2485 MHz	6 dBi	< 2:1	25°

Polar Patterns
Start Frequency
2400 MHz
Stop Frequency
2485 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

Subtype
Collinear
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
430 x 25 x 25
Materials
Aluminium, Fibreglass (GRP)
Mounting
Pole Clamp 25 to 63 mm ⌀
Weight
0.7 kg

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