Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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.

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	Polarisation:	Vertical (V)
Stop Frequency:	2485 MHz	Input Impedance:	50 Ω
Max. Input Power:	100 W		

RF Connectors

RF Interface	Body Shape
N Female	Straight

Frequency Test Data

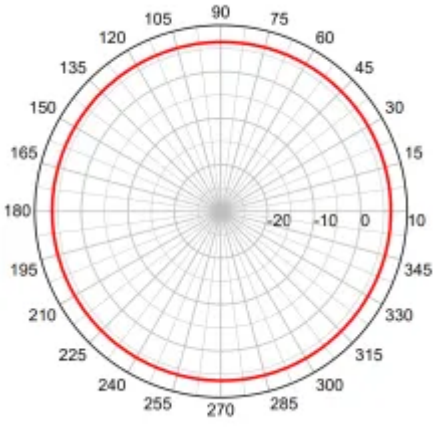
Start Freq.	Stop Freq.	Peak Gain	VSWR	Elevation
2400 MHz	2485 MHz	6 dBi	< 2:1	25°

Polar Patterns

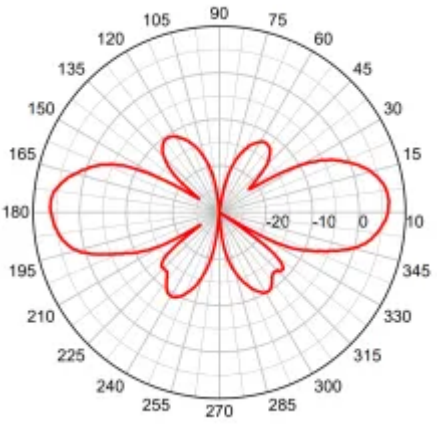
Start Frequency: 2400 MHz

Stop Frequency: 2485 MHz

Azimuth Polar Plot



Elevation Polar Plot



Physical Specification

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

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.