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Mobile Mark Industrial 2.4 GHz, Omnidirectional Antenna, 3 dBi, High Vibration

SKU
ANT-MM-00005
MPN
OD3-2400MOD2

Description

The Mobilemark OD3-2400 Series 2.4 GHz WiFi 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 radome is filled with a weatherproofing and vibration absorbing dielectric material. The antenna terminates with an integrated N Female connector at its base.

The OD Series antennas provide omnidirectional coverage for WiFi 2.4 GHz applications. Four models are available from 3 to 12 dBi gain. 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.

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

Mobile Mark's OD3-2400 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.

OD3-2400 is commonly deployed due to its wide 55 degree elevation beamwidth, providing near-spherical radiation, a highly critical consideration for mobile plant and mining machinery operating in deep pits or at significant pitch / roll.

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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

2.4 GHz WiFi

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	Azimuth	Elevation
2400 MHz	2485 MHz	3 dBi	< 2:1	360°	55°

Physical Specification

Subtype
Collinear
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
360 x 25 x 25
Ingress Protection
IPX5
Materials

Aluminium, Fibreglass (GRP)
Mounting
Pole Clamp 25 to 63 mm ⌀
Weight
0.7 kg

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