

OD3-600/6000MOD2

5G Omni-Directional High Vibration Antenna

PRODUCT OVERVIEW

The wideband vibration resistant OD3-600/6000MOD2 covers 5G Sub-6 cellular frequencies at 617-960 & 1710-6000 MHz. This omnidirectional infrastructure antenna is slim, and unobtrusive with a profile that will not overwhelm installation settings. It is easy to install and includes the mounting bracket shown in the picture. There is also an optional wall mount, OD-WMK. The ruggedness of this antenna makes it ideal for mining, quarry, oil field construction and other heavy-duty applications.

This high vibration foam-filled model has conformal foam dampening for heavy mining & construction environments. The feed assembly is made of machined aluminum components and has an iridite finish for weather protection. This antenna is ideal for rugged mobile or fixed site infrastructure applications due to its versatile design.

Mobile Mark's "MOD2" foamed versions of the OD series antennas uses a proprietary mixture to protect the antenna elements from damage in high-vibration settings such as mining, agriculture or large earth moving equipment.



OD3 - 600 / 6000 MOD2
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 Omni Directional Reference
 Approx Gain
 Reference to Frequency
 Modified for High Vibration Applications

Electrical Specifications	
Frequency & Gain	617 - 960 MHz, 2 dBi 1700 - 6000 MHz, 4 dBi
VSWR	2.1 max over range
Impedance	50 Ohm Nominal
Power Rating	10 Watts
Vertical Beamwidth (-3 dB)	60° (617 - 960 MHz) 50° (1700 - 6000 MHz)

Mechanical Specifications	
Radome Material & Color	Black or White Fiberglass Radome with Aluminum Body
Radome Dimension	17.50" (444.5 mm) Height x 1.00" (25.4 mm) Diameter
Weight	2.5 lbs (.45 kg) with Mount
Standard Connector	N Jack (Female)
Mass Mounting (Kit Included)	Mounts up to 2.50" (63.5 mm) Outside Diameter Pipe
Operating Temperature	-40° to +85° C
Shock & Vibration	EN 300 019-2-4, IEC 60068
Lightening Protection	External Recommended
Water Ingress	IP67 When Properly Mounted
Max Wind Velocity	100 mph (1.61 kph) with 0.5" (12.7 mm) Radial Ice

HIGHLIGHTS:

- Sub-6, 5G Omni-directional
- Wideband: 617-960 MHz & 1700-6000 MHz
- Field Tuning Not Required
- Rugged Design for Harsh Environments
- Foam Filled for Vibration Resistance
- Made-in-the- UK

RELATED MODELS:

- OD3-600/6000
(Standard Version)
- OD3-700/2700MOD2
(Foam Filled, Narrower Freq.)
- OD3-700/2700DN
(Direct N Option with Narrower Freq.)

COMMON APPLICATIONS:

- Widely Used in Mining
- Suitable for Heavy-Duty Vehicles
- Fixed Site Installations in Harsh Environments
- Sub-6, 5G mm626 Solution
- Precision Agriculture



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