

OD3-600/6000MOD2

5G Omni-Directional High Vibration Antenna

PRODUCT OVERVIEW

The wideband vibration resistant OD3-600/6000MOD2 covers 5G Sub-6 frequencies: 617-960 & 1710-6000 MHz. The mechanical strength 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. The feed assembly is made of machined aluminum components and is irradiated for weather protection.

Visit our [eStore](#) to customize an Omni-Directional Antenna Online.

Antenna Specifications	
Frequency & Gain	617 - 960 MHz, 2 dBi 1700 - 6000 MHz, 4 dBi
VSWR	< 2.5:1 max over range
Impedance	50 Ohm Nominal
Power Rating	10 Watts
Vertical Beamwidth (-3 dB)	60° (617 - 960 MHz) 50° (1700 - 6000 MHz)
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) minimum 100 mph (1.61 kph) with 0.5" (12.7 mm) Radial Ice

Foam Properties	
Dielectric, 10 MHz	1.04
Dissipation Factor, 10 MHz	0.001
Compressive Strength, psi	30
Compressive Modulus, psi	500
Thermal Conductivity BTU-in/hr-ft-° F	0.012
Water Absorption, 24 hrs	3.0 % Max
Service Temp, ° C (° F)	-40 to +100 (-40 to +210)



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

HIGHLIGHTS:

- Sub-6, 5G Omni-directional
- Wideband: 617-960 MHz & 1700-6000 MHz
- Foam Filled for Vibration Resistance
- Made-in-the-USA & UK

RELATED MODELS:

- OD3-600/6000 (Standard Version)
- OD-WMK (Optional Wall Mounting Bracket)
- OD3-700/2700MOD2 (Foam Filled, Narrower Freq.)
- OD3-700/2700DN (Direct N Option with Narrower Freq.)

COMMON APPLICATIONS:

- Rugged Mobile Wireless Networking
- Fixed Site Installation or Mobile
- Sub-6, 5G mm626 Solution
- Suitable for Mining Vehicles



US Headquarters +1.847.671.6690 • US/CA Toll Free +1.800.648.2800
 European Facility +44.1543.459555 • www.MobileMark.com

Moving Wireless Forward®