



**DOD3 Omni-
Directional Antennas**

Omni-Directional MIMO Antennas, LTE

- Multiple-Input-Multiple-Output antenna design
- Omni-directional antennas
- Each MIMO antenna is configured with 2 connectors

MIMO (Multiple-Input-Multiple-Output) systems, also known as spatial multiplexing, transmit different data on different antenna elements.

With a MIMO system, the data is decoded and combined at the receive end. The net result is greater data throughput and improved bandwidth efficiency.

Mobile Mark's new MIMO (Multiple-Input-Multiple-Output) Site Antennas provide two-cable feeds, each with identical frequency coverage.

The separate antenna elements are housed within the compact rugged radome. Each element is fed to a separate connector and each covers the entire bandwidth specified.

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

The DOD Series omni-directional antennas have passed Industry standards for Shock & Vibration. The antennas have also been rated IPx5 for Water Ingress.

The feed assembly is made of precision machined aluminum components and is irradiated for weather protection. These antennas come with all the hardware needed to install it to a mast.

The DOD Series Omni-directional Antenna provides 2-3 dBi gain in a radome measuring just under 30" (76.2cm) tall x 1" (2.54cm) in diameter. The cables exiting the base of the antenna are typically 12" (30.48 cm) in length.

Model #	# of Connections
DOD3-700/2700-BLK	2 SMA connectors

Specifications			
Frequency:	694-960 MHz & 1700-2700 MHz		
Gain:			
694-960 MHz	2 dBi	Dimensions:	29 5/8"H x 1"D (75 cm x 2.5 cm)
1700-2700 MHz	3 dBi	Weight:	2.5 lbs (1.13 kg)
VSWR:	<2:1 max over range	Material:	Fiberglass, Color, Black
Isolation:	>20 dB between elements	Mounting:	Mounts to up to 2 1/2" (6.35 cm) OD Pipe, U-bolt kit included
Impedance:	50 Ohm (nominal)	Connectors & Cables:	2 Cables 12" (30.4 cm) LL-195 w/ SMA plug (male) connectors Custom lengths available
Max power:	10 watts	Water Ingress:	IPx5
Beamwidth:		Shock and Vibration:	EN 300 019-2-4, IEC 60068
694-960 MHz	60° Elevation		
1700-2700 MHz	50° Elevation		
Wind Survivability:	125 mph (201 kph) minimum with 1/2" (1.27 cm) radial ice		
Operating Temp:	-40 to +80° C		
Cable jumpers:	Available separately		
Lightning protection:	External recommended		