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MobileMark
antenna solutions

Omni-Directional MIMO Antennas, LTE

DOD3 Omni-Directional Antennas

- 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 irridited 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
1700-2700 MHz	3 dBi
VSWR:	<2:1 max over range
Isolation:	>20 dB between elements
Impedance:	50 Ohm (nominal)
Max power:	10 watts
Beamwidth:	
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

Dimensions:	29 5/8"H x 1"D (75 cm x 2.5 cm)
Weight:	2.5 lbs (1.13 kg)
Material:	Fiberglass, Color, Black
Mounting:	Mounts to up to 2 1/2" (6.35 cm) OD Pipe, U-bolt kit included
Connectors & Cables:	2 Cables 12" (30.4 cm) LL-195 w/ SMA plug (male) connectors Custom lengths available
Water Ingress:	IPx5
Shock and Vibration:	EN 300 019-2-4, IEC 60068