



ODN9 Series

Omnidirectional Antenna (Pat.Pend.) for 3.5 GHz Systems

- Unique design allows use as an economical site or subscriber antenna
- 9 dBi Omni for multipoint applications
- Models available for 3.4 - 3.7 GHz
- Versatile mounting hardware included for pole or surface mounting

Mobile Mark's high frequency antennas are designed for new microwave systems, including fixed wireless local loop networking applications. These advanced designs accommodate the high-speed wideband performance that the new services will provide.

The omni antennas use an array of uniquely phased elements stacked vertically. This compresses the antennas beamwidth for vertical gain, while maintaining a

uniform omni pattern in the azimuth. The unique phasing maintains excellent frequency response. VSWR performance across each band is excellent, and under 2:1. Typical center frequency response is under 1.5:1.

The antenna is offered in three different models, to cover the most popular bands. Special frequency arrangements may be available, please consult factory with your requirements.

The antenna array is protected in a white fiberglass. The entire assembly is only 25 inches long, with the radome diameter only 1". The aluminum body assembly is iridized for complete weather protection.

Windloading on this antenna is negligible. An offset mounting plate is provided with U-bolts allowing pole or surface/offset mounting. The antenna terminates with a female N connector for maximum reliability.

Model Numbers

Model	Description	Frequency
ODN9-3475	9 dBi Omni	3.400-3.550 GHz
ODN9-3525	9 dBi Omni	3.475-3.625 GHz
ODN9-3675	9 dBi Omni	3.550-3.700 GHz

Special configurations are available upon request. Please consult factory for more information.

Specifications

Frequency:	See above	ODN Series Material:	White fiberglass radome, machined aluminum body
Gain:	9 dBi	Weight:	<1 lbs, all models
Bandwidth@2:1 VSWR:	See above	Mounting:	Pole or surface mount, stainless steel hardware included.
Impedance:	50 Ohm nominal	Mounting Dimension:	Mounts up to 2" outside diameter mast
Maximum Power:	25 Watts	ODN Series Connector:	N female
ODN Series Beamwidth:	14° El, 360° Az		
Lightning Protection:	External protection recommended		
OD Series Size:	25 1/4" length x 1" diameter		
Max Wind Velocity:	100 mph, all models		