



700 MHz Omni-Directional Antennas

- Wideband operation, 694 MHz - 806 MHz
- Power handling up to 10 watts
- Pole Mount hardware standard, optional flat wall mount bracket

Mobile Mark has launched a series of Omni site antennas for the new 700 MHz nationwide spectrum. The latest models address infrastructure deployments with dependable and cost effective designs.

The OD Series for 700 MHz are collinear array omni antennas. The internal array provides high efficiency for maximum performance. The 4 dBi model has a broad 40 degree vertical beamwidth, the 7 dBi model still provides a generous 32 degree vertical beamwidth.

The OD series are designed and manufactured with durability in mind. The antennas have a precision milled feed assembly and are outfitted with a durable fiberglass radome for the array. The RF interface is a N female connector.

These antennas are designed to withstand the harshest outdoor environment, and massive wind/ice load beyond 125 MPH (160 kph) with 1/2" radial ice.

Units are supplied standard with pole mounting hardware.

Model #	Frequency	Gain
OD4-700-BLK	694-806 MHz Omni	4 dBi
OD6-700-BLK	694-806 MHz Omni	6 dBi

Color options available for above models
 WHT-White or BLK-Black

Mating Cable Assemblies (Low Loss RF-195)

Model	Length	End Connector
CA240/195-XX	20 ft (6.1m)	N Male-N Male
CA180/195-XX	15 ft (4.6 m)	N Male-N Male
CA240/195-XC	20 ft (6.1m)	N Male-SMA Male
CA180/195-XC	15 ft (4.6 m)	N Male-SMA Male

Other cable and connector configurations available

Other Accessories

Model	Description
OD-WMK	Wall Mount Adapter
ACC-TW-LP-005N	Surge Arrestor

Specifications

Frequency :	694-806 MHz
Gain:	4 or 6 dBi
Bandwidth @2:1 VSWR:	2:1 max over range
Nominal Impedance:	50 ohms
Max. Power (continuous):	10 watts
Vertical Beamwidth (-3 dB point):	
OD4-700	40 degrees
OD6-700	32 degrees
Wind Loading (flat plate equiv.):	
OD4-700	26 sq.in.(168 sq.cm)
OD6-700	38 sq.in.(245 sq. cm)
Rated Wind Velocity:	125+ mph (200+ kph)
Lightning Protection:	External suggested
Antenna Diameter:	1" (25mm)
OD Series Interface:	N Female connector

Length/Weight:	
OD4-700	26 1/2 inches, 2.0 lbs (67 cm, 0.9 kg)
OD6-700	38 inches, 2.5 lbs (97 cm, 1.1 kg)
Mounting Kit:	Mast mount kit with U-bolts/ mounting hardware included
Mounting Dimensions:	Use mast up to 2.5" (6.3 cm)
Operating Temp:	-40° C to +85° C
Material:	Fiberglass radome with aluminum body
Options:	Cable assemblies, Wall mounts, and surge arrestors
Shock & Vibration:	EN 300 019-2-4, IEC 60068
Water Ingress:	IPx5