



Omni 700 MHz
Band Series



Jumper Cable Assemblies



Wall Mount Adapters



Surge Arrestors

Omni Site 700 MHz Band

- Available in 4 dBi and 6 dBi models
- Wideband operation, 694 MHz - 806 MHz with power handling up to 10 watts
- Pole Mount hardware standard, optional flat wall mount bracket
- Accessories include jumper cables, wall mounts and in-line surge protectors

Mobile Mark has launched a complimentary series of Omni site antennas for the new 700 MHz nationwide spectrum. The latest models address your 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 extreme 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. This consists of an aluminum offset bracket, and all appropriate U-Bolts/hardware. The U-Bolts can accommodate up to 2 1/2 inch (6.4 cm) outside diameter pipe.

Jumper cable assemblies are supplied separately. Please select from one of the standard configurations below, or simply request you custom length/connector combination. Other accessories include in-line surge arrestors and a variety of wall mounts.

Antenna Model Numbers

Model	Gain	Description
OD4-700	4 dBi	694-960 MHz Omni
OD6-700	6 dBi	694-960 MHz Omni

Mating Cable Assemblies (Low Loss RF-195)

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

Other configurations available, please consult factory.

Other Accessories

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

Specifications

Frequency & Gain:	See above	Length/Weight:	
Bandwidth @2:1 VSWR:	See above	OD4-700	26 1/2 inches, 2.0 lbs (67 cm, 0.9 kg)
Nominal Impedance:	50 ohms	OD6-700	38 inches, 2.5 lbs (97 cm, 1.1 kg)
Max. Power (continuous):	10 watts	Mounting Kit:	Mast mount kit included
Vertical Beamwidth (-3dB point):		Mounting Dimensions:	Use mast up to 2" (50 mm)
OD4-700	40 degrees	Operating Temp:	-40° F to +185° F -40° C to +85° C
OD6-700	32 degrees	Material:	Fiberglass radome with aluminum body
Wind Loading (flat plate equiv.):		Options:	Cable assemblies, Wall mounts, and surge arrestors
OD4-700	26 sq.in.(168 sq.cm)		
OD6-700	38sq.in.(245 sq. cm)		
Rated Wind Velocity:	125+ mph (160+ kph)		
Lightning Protection:	External suggested		
Antenna Diameter:	1" (25mm)		
OD Series Interface:	N female connector		