

dbSpectra MAGNUM-series Antenna

806-869 MHz, 10 dBd Gain, Magnum Antennas, Low PIM/Hi-PIP

DS8M10P36U-D, DS8M10P36U3D

Specifications	
Design Type	True Corporate Feed "True Omni" pattern
Frequency Range	806-869 MHz
Passive Intermod – 3 rd -order PIM	-150 dBc
Bandwidth	63 MHz
Gain – dBi/dBd	12.1/10
Configuration	Single antenna, H.D.
Beam Tilt (electrical downtilt)	0.75°, 3°
Vertical Beamwidth (E-Plane)	5°
Impedance -- Ohms	50
Null fill pattern features	Included
VSWR / Return Loss -- dB	<1.5:1 / 14 dB (min.)
Average Power Rating	600 W
Peak Instantaneous Power	25 kW
Polarization	Vertical
Lightning Protection	Direct Ground
Connector	7/16 DIN female
Equivalent Flat-Plate Area	5.13 sq. ft.
Lateral Windload Thrust @100mph	216 lbf.
Wind Speed rating	175 mph (without ice)
Total Length	15.5 feet
Mast O.D.	6.5 inches
Mounting design	Metal flange base, see detail. (8 x 3/4" bolts)
Radome color	Horizon Blue
Weight, antenna only (approx.)	75 lbs.
With Bracket, included	129 lbs.
Shipping Weight	Consult factory
Mounting kit, included	P/N DSH-MAG1HD H.D. pipe mount kit for 4" vertical members

Features and Benefits

"True-omni" horizontal pattern coverage in a heavy-duty package maximizes performance and practically eliminates tip deflection.

Tested to stringent Peak Instantaneous Power (PIP) levels of 25 KW using dbSpectra's 12-channel P25 PIP test bed. High PIP level is demanded by today's digital systems.

True Corporate Feed Array – provides for excellent gain and pattern consistency across a wider frequency range.

PIM Rated Design – better than -150 dBc.

Excellent Lightning Protection – brass tip feeds heavy internal conductor DC ground.



Patterns:

