



Penetrator™ Antenna, 806-869, 8.1dBi, 360deg

### Product Description

The novel side fed dipole design of these antennas provides 6 dBd, 8 dBd, 10 dBd or 12 dBd omnidirectional gain with 63 MHz bandwidth. They feature constant beamtilt, heavy null fill, and have been VSWR tested. Depending upon the specific required area of coverage, horizontal patterns O, A, B, D or H are available.



BMR\* Series

### Features/Benefits

• High gain maximizes ERP. • Heavy null fill enhances close-in coverage. • Customized beamtilt minimizes interference to and from adjacent systems. • Various patterns available to efficiently cover target area.

### Technical Specifications

Frequency Range, MHz	806-869
Horizontal Pattern	OmniDirectional
Antenna Type	Penetrator
Horizontal Beamwidth, deg	360
Electrical Downtilt, deg	0
Gain, dBi (dBd)	8.1 (6)
Vertical Beamwidth, deg	13
1st Null Fill, dB	Included
Null Fill, dB	Included
Front-To-Back Ratio, dB	Omni
Polarization	Vertical
VSWR	< 1.5:1
Impedance, Ohms	50
Maximum Power Input, W	500
Lightning Protection	Top Rod Grounded to Base Mount
Connector Type	N Female
Connector Location	Bottom
Weight, kg (lb)	12 (26)
Weight with B1 Bracket, kg (lb)	26 (58)
Mount Type	Bracket
Mounting Hardware	B1 Bracket (included)
Rated Wind Speed, km/h (mph)	200 (125)
Overall Length, m (ft)	1.68 (5.5)
Diameter, mm (in)	168.3 (6.625)
Radiating Element Material	Aluminum
Element Housing Material	Fiberglass
Max Wind Loading Area, m <sup>2</sup> (ft <sup>2</sup> )	0.195 (2.1)
Survival Wind Speed, km/h (mph)	200 (125)
Shipping Weight, kg (lb)	29.5 (65)

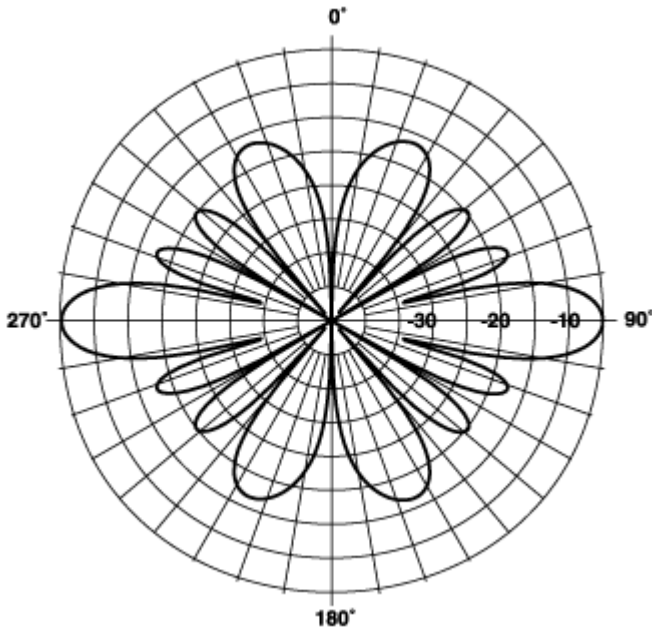
### Notes

### Other Documentation

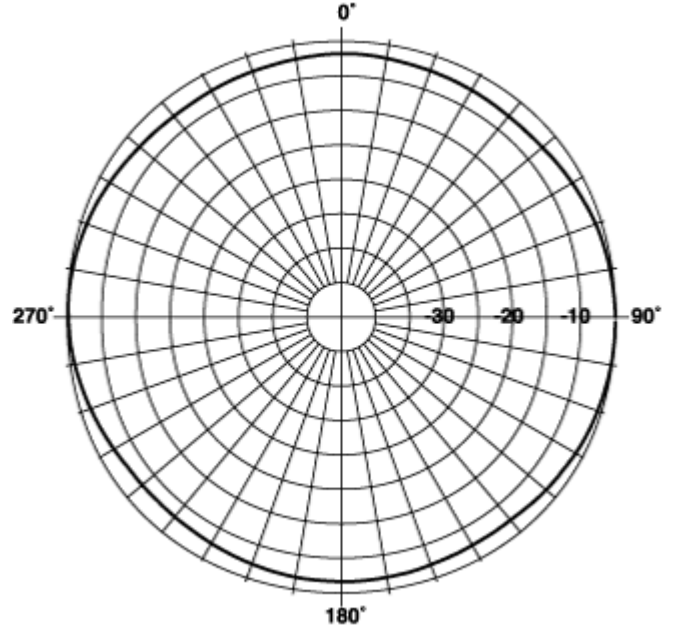
All information contained in the present datasheet is subject to confirmation at time of ordering



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Vertical Pattern



Horizontal Pattern

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