

COMMANDER Omni Fiberglass Antenna, 806-869, 10.1 dBi, N Female

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Product Description

These center-fed collinear antennas ensure consistent gain and impedance across the operating frequency band and are specifically designed to meet various omnidirectional requirements for mobile radio services in the 806-960 MHz bands. Copper alloy radiating elements are encased in a weatherproof fiberglass low loss housing and permanently attached to a 6061-T6 aluminum support pipe.


Features/Benefits

- Fiberglass construction protects radiating elements in hostile environments - Copper radiating elements minimize possible generation of intermod products - Center-fed design eliminates beamswing across the band

Technical Specifications

Frequency Band	806-869 MHz
Horizontal Pattern	Omni Directional
Antenna Type	Fiberglass Omni
Electrical Down Tilt Option	Fixed
Gain, dBi (dBd)	10.1 (8)
Frequency Range, MHz	806.869
Connector Type	N Female
Connector Location	Bottom
Mounting Type	Fixed
Electrical Down Tilt, deg	0
Orientation	Upright
Mounting Hardware	46 Clamp Set
Rated Wind Speed, km/h (mph)	160 (100)
Gain (Omni), dBi (dBd)	10.14 (8)
VSWR	< 1.5 : 1
Vertical Beamwidth, deg	8
Polarization	Vertical
Maximum Power Input, W	500
Lightning Protection	Direct Ground
Flexible Extensions	Optional
Impedance, Ohms	50
Overall Length, m (ft)	3.14 (10.3)
Element Housing Length, m (ft)	2.53 (8.3)
Mounting Pipe Diameter, m (in)	0.07 (2.75)
Support Pipe Length, m (ft)	0.61 (2)
Weight, kg (lb)	8 (17)
Radiating Element Material	Copper
Element Housing Material	Fiberglass
Support Pipe Material	Aluminum Alloy
Max Wind Loading Area m ² (ft ²)	0.131 (1.41)
Survival Wind Speed, km/h (mph)	200 (125)
Bend Mom @ Rated Wind 1" Below Pop of Mt Pipe, N m (ft lbf)	323 (238)
Wind Load - Side @ Rated Wind, N (lbf)	251 (56.4)
Shipping Weight, kg (lb)	14.5 (32)
Packing Dimensions, HxWxD mm (in)	3810 x 101.6 x 101.6 (150 x 4 x 4)
Shipping Mode	Common Carrier

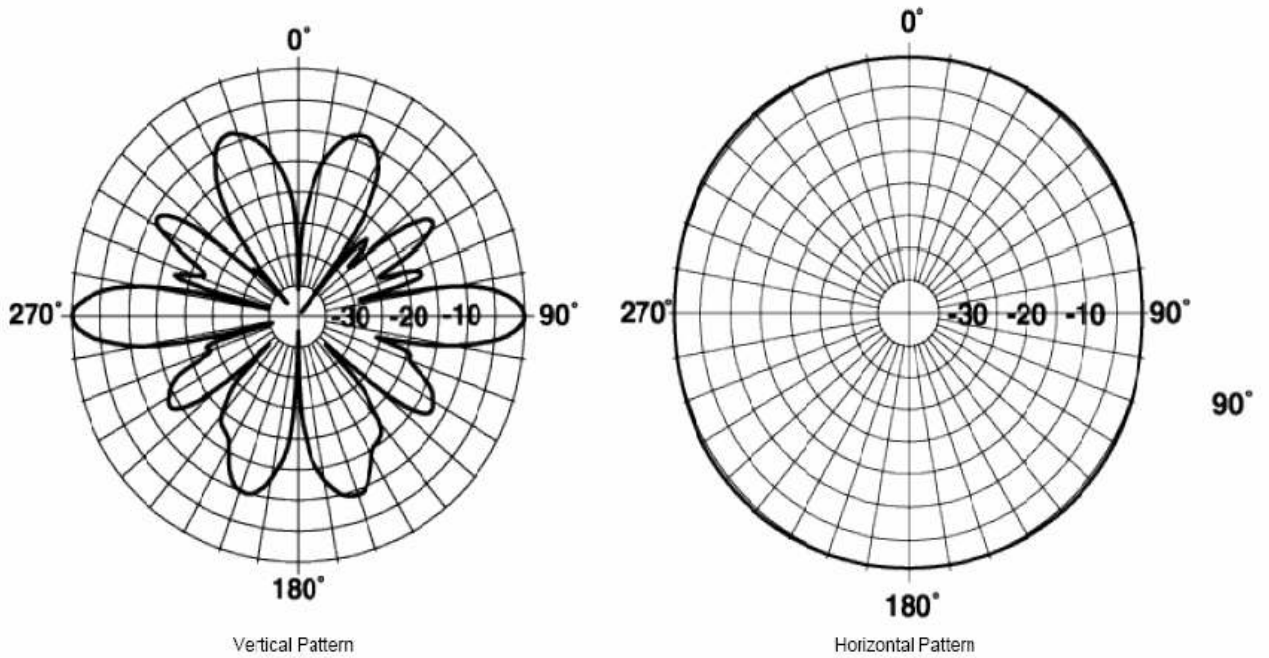
Notes

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

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Other Documentation



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