



**Stationmaster II® Omni Fiberglass Antenna**

**Product Description**

The antennas in this internationally known series are ideal for multiple antenna installations. Each feature multiple collinear radiating copper elements fed in phase and enclosed in a weatherproof fiberglass housing. Able to withstand winds of at least 100 mph, these antennas are equipped with a Teflon® insulated connector at the base of the support pipe. The 200 has been specifically designed for simplex systems, dispatch and paging applications in the 120-174 MHz frequency range.



**Features/Benefits**

- Fiberglass construction protects radiating elements in corrosive environments.
- Copper radiating elements minimize the possibility of intermod generation.
- High strength, low cross section withstands winds of at least 100 mph.

**Technical Features**

Frequency Band	VHF (25-299.9 MHz)
Horizontal Pattern	Omnidirectional
Antenna Type	Fiberglass Omni
Electrical Down Tilt Option	Fixed
Gain, dBi (dBd)	7.6 (5.5)
Frequency Range, MHz	120-174
Connector Type	N Female
Connector Location	Bottom
Mount Type	Fixed
Electrical Downtilt, deg	0

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



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Mounting Hardware	46 Clamp set
Rated Wind Speed, km/h (mph)	160 (100)
Gain (Omni), dBi (dBd)	7.64 (5.5)
VSWR	< 1.5:1
Vertical Beamwidth, deg	18
Polarization	Vertical
Maximum Power Input, W	500
Lightning protection	Direct Ground
Overall Length, m (ft)	6.34 (20.8)
Element Housing Length, m (ft)	5.79 (19)
Support Pipe Diameter, m (in)	0.06 (2.375)
Support Pipe Length, m (ft)	6.71 (22)
Weight, kg (lb)	9 (20)
Radiating Element Material	Copper
Element Housing Material	Fiberglass
Support Pipe Material	6061-T6 Aluminum Pipe
Max Wind Loading Area, m <sup>2</sup> (ft <sup>2</sup> )	0.105 (1.13)
Survival Wind Speed, km/h (mph)	200 (125)
Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft lbf)	58.9 (425)
Shipping Weight, kg (lb)	23.1 (51)
Packing Dimensions - HxWxD, m (ft)	6.8 x 0.1 x 0.1 (22.3 x 0.33 x 0.33)
Shipping Dimensions of Accessory - HxWxD, m (ft)	Packed w/antenna
Shipping Mode	Common Carrier

**Note**

Specify Center Frequency.

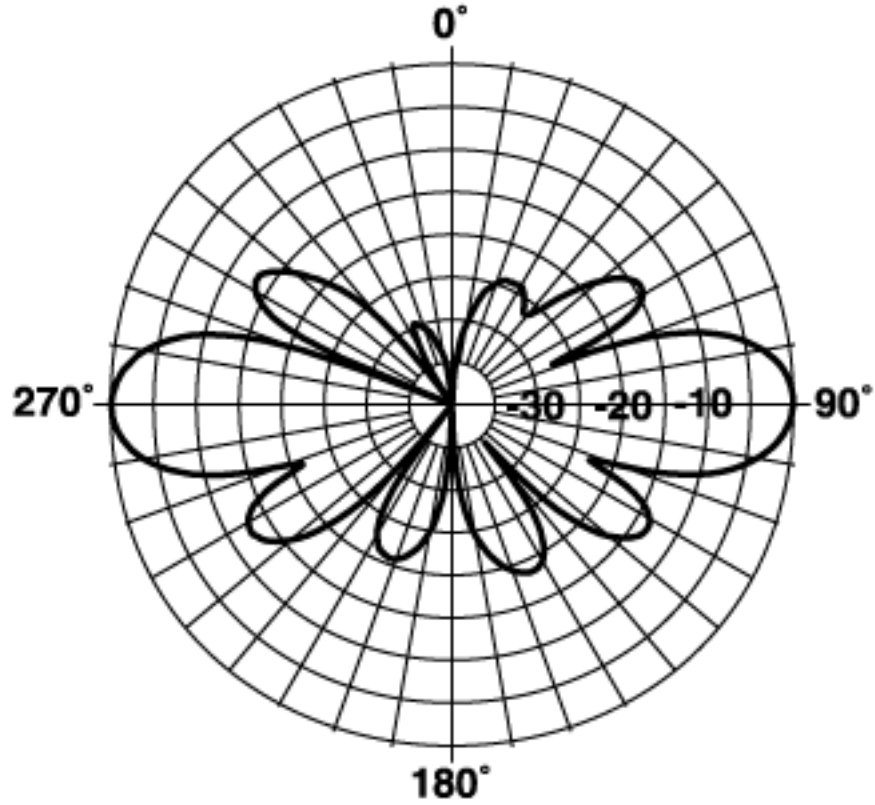
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Vertical Pattern

(This is a general representation of the antenna family pattern. For the latest detailed pattern contact Applications Engineering. You may also download the CELplot(TM) pattern reader and antenna pattern data fields from our website.)



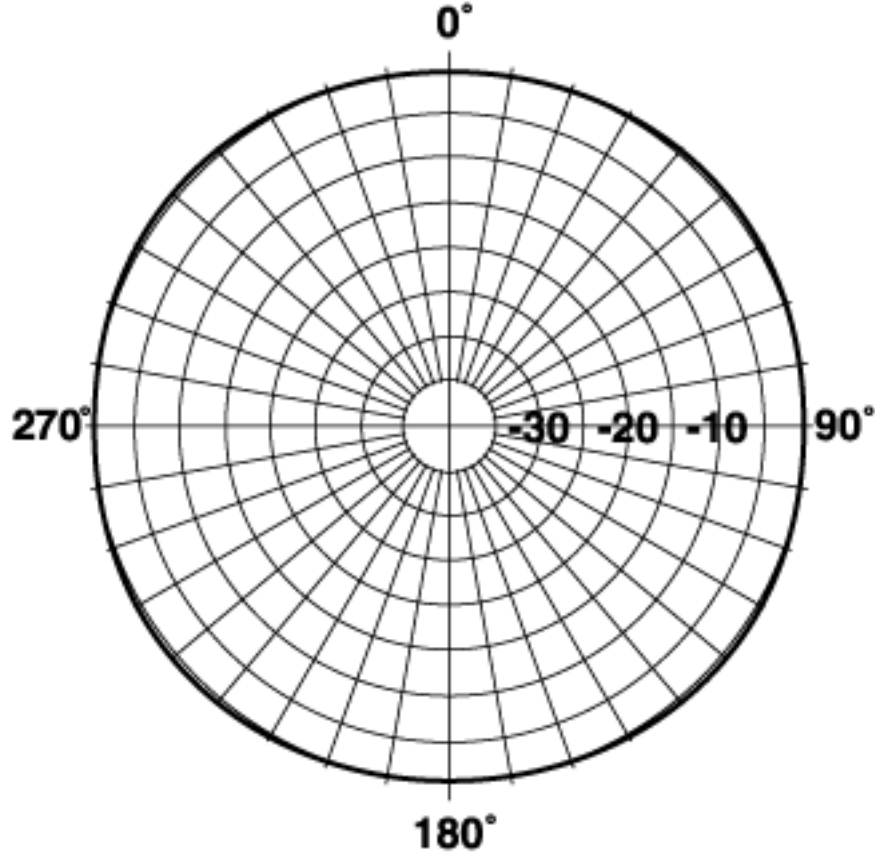
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