

COMMANDER Omni Fiberglass Antenna, 160-169, 7.4dBi, N Female

Please visit us on the internet at http://www.commandertech.com

Product Description

Commander VHF base Station Antennas incorporate the design features of 9 MHz broadband capability, improved lightning protection and true omnidirectional gain in excess of 5 dBd Note: Below 150 MHz, rated gain is 4.8 dBd due to length constraints. Side mounting hardware is available for the 220 to achieve special radiation patterns.



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

6400 x 100 x 100 (264.17 X 3.94 X 3.94)

6.4 x 0.1 x 0.1 (22 x 0.33 x 0.33)

Packed with Antenna

Common Carrier

Features/Benefits

Fiberglass construction protects radiating elements in corrosive environments. DC grounded - affords lightning protection Copper radiating elements minimize possibility of intermod generation

Technical Specifications Frequency Band	25-299.9 MHz
Horizontal Pattern	Omni Directional
Antenna Type	Fiberglass Omni
Electrical Down Tilt Option	Fixed
Gain, dBi (dBd)	7.4 (5.3)
Frequency Range, MHz	160-169
Connector Type	N Female
Connector Location	Bottom
Mounting Type	Fixed
Electrical Down Tilt, deg	0
Drientation	Upright
Mounting Hardware	46 Clamp Set
Rated Wind Speed, km/h (mph)	160 (100)
Gain (Omni), dBi (dBd)	7.39 (5.25)
/SWR	< 1.6 : 1
/ertical Beamwidth, deg	18
Polarization	Vertical
Maximum Power Input, W	500
ightning Protection	Direct Ground
Brd Order IMP @ 2 x 43 dBm, dBc	-130
mpedance, Ohms	50
Overall Length, m (ft)	5.94 (19.5)
Element Housing Length, m (ft)	5.3 (17.5)
Mounting Pipe Diameter, m (in)	0.07 (2.75)
Support Pipe Length, m (ft)	0.63 (2.08)
Neight, kg (lb)	10 (22)
Radiating Element Material	Copper
Element Housing Material	Fiberglass
Support Pipe Material	Aluminum Alloy
лах Wind Loading Area m² (ft²)	0.204 (2.2)
Survival Wind Speed, km/h (mph)	200 (125)
Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft lbf)	1048 (773)
Wind Load - Side @ Rated Wind, N (lbf)	391 (88)
Shipping Weight, kg (lb)	25.9 (57)

Notes

Shipping Mode

Packing Dimensions, HxWxD mm (in)

Shipping Dimensions of Accessory, HxWxD, m (ft)

Packing Dimensions, HxWxD, m (ft)

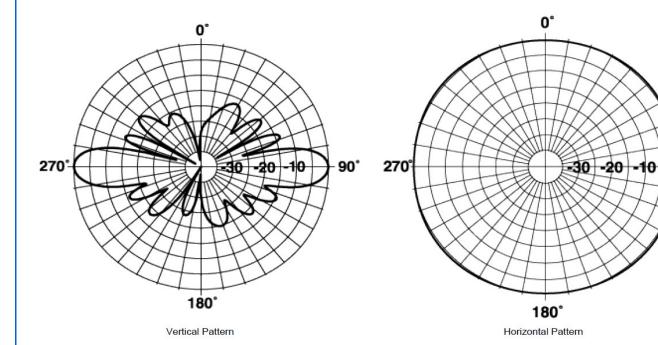
COMMONDER MOUEL 220-ON REV. 1.0 FINE Date. 1/3/20	COMMANDER Model 220-6N	REV: 1.0	Print Date:	1/5/201
---	------------------------	----------	-------------	---------



COMMANDER Omni Fiberglass Antenna, 160-169, 7.4dBi, N Female

Please visit us on the internet at http://www.commandertech.com

Other Documentation



90°