

CELWAVE PD-455 441.700 N1KGN/R ANTENNA

Frequency Band	300-699.9 MHz
Horizontal Pattern	Omni Directional
Antenna Type	Fiberglass Omni
Electrical Down Tilt Option	Fixed
Gain, dBi (dBd)	12.1 (10)
Frequency Range, MHz	440-450
Connector Type	N Female
Connector Location	Bottom
Mount 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)	12.14 (10)
VSWR	< 1.5:1
Vertical Beam Width, deg	7
Polarization	Vertical
Maximum Power Input, W	500
Lightning Protection	Direct Ground
3rd Order IMP @ 2 x 43 dBm, dBc	-130
Impedance, Ohms	50
Overall Length, m (ft)	6.16 (20.2)
Element Housing Length, m (ft)	5.46 (17.9)
Mounting Pipe Diameter, m (in)	0.07 (2.75)
Support Pipe Length, m (ft)	0.61 (2)
Weight, kg (lb)	11 (24)
Radiating Element Material	Copper
Element Housing Material	Fiberglass
Support Pipe Material	Aluminum Alloy
Max Wind Loading Area, m ² (ft ²)	0.178 (1.92)
Survival Wind Speed, km/h (mph)	200 (125)
Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft lbf)	936 (690)
Wind Load - Side @ Rated Wind, N (lbf)	342 (77)
Shipping Weight, kg (lb)	25.9 (57)
Packing Dimensions, HxWxD, mm (in)	7320 x 100 x 100 (288.18 x 3.94 x 3.94)
Packing Dimensions - HxWxD, m (ft)	7.32 x 0.1 x 0.1 (24 x 0.33 x 0.33)
Shipping Dimensions of Accessory - HxWxD, m (ft)	Packed w/antenna