



Omnidirectional Fiberglass Antenna, 118-174, 2.1dBi, N Female

Product Description

These antennas feature a very broad frequency band, rugged construction and small size. Radiating elements are constructed of copper alloy, encased in a weather resistant low loss fiberglass radome. BA1012 "Light Weight" models terminate in a 1 inch-14 threaded ferrule which attaches directly to the N275F mounting hardware. Due to their wide bandwidth, they are ideal for use as emergency backup antennas. Their size and mounting fixtures allow for easy storage and fast installation. Alternative mounting hardware is available for most applications.



BA1012 Series

Features/Benefits

• **Broadband – reduces backup inventory and the need for multiple antennas.** • **Fiberglass radome protects radiating elements in hostile environments.** • **Copper elements maximize system performance while minimizing the possibility of intermod.**

Technical Specifications

Frequency Range, MHz	118-174
Horizontal Pattern	OmniDirectional
Antenna Type	Fiberglass Omni
Electrical Downtilt, deg	0
Gain, dBi (dBd)	2.1 (0)
Vertical Beamwidth, deg	80
Polarization	Vertical
VSWR	< 1.5:1
Impedance, Ohms	50
Maximum Power Input, W	100
Lightning Protection	Direct Ground
Connector Type	N Female
Connector Location	Bottom
Weight w/o Mtg Hardware, kg (lb)	1 (1.6)
Mount Type	Fixed
Mounting Hardware	N275F
Rated Wind Speed, km/h (mph)	200 (125)
Flexible Extensions	None
Overall Length, m (ft)	1.43 (4.7)
Element Housing Length, m (ft)	1.25 (4.1)
Mounting Pipe Diameter, m (in)	0.03 (1.2)
Support Pipe Length, m (ft)	0.12 (0.4)
Radiating Element Material	Brass
Element Housing Material	Fiberglass
Radome Color	White RAL9010
Support Pipe Material	Black Anodized Aluminum
Max Wind Loading Area, m ² (ft ²)	0.03 (0.32)
Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft lbf)	34 (25.3)
Wind Load - Side @ Rated Wind, N (lbf)	46 (10.34)
Shipping Weight, kg (lb)	1 (2.2)
Shipping Dimensions of Accessory - HxWxD, m (ft)	0.12 x 0.09 x 0.15 (0.4 x 0.3 x 0.5)

Notes

Specify Center Frequency.
Bandwidth: 12% of center frequency

Other Documentation

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



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