

## BA6110-2

### Features

These antennas feature a very broad frequency band and rugged construction. Radiating elements are constructed of copper alloy, encased in a weather-resistant, low-loss fiberglass radome. BA6110 "Heavy Duty" is permanently affixed to a unique mounting fixture which allows mounting on top of or along-side most vertical supports. 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.

- 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



BA6110 Series

PRODUCT OVERVIEW	Antenna Type	Fiberglass Omni
	Frequency Range (MHz)	450-512
	Connector	1 PORT
	Polarization	Vertical
	Gain	2.1 dBi
	Overall Length	0.94 m (3.1 ft)

### ORDERING OPTIONS

Select from the following ordering options

ANTENNA MODEL NUMBER	MOUNTING HARDWARE	SHIPPING WEIGHT
BA6110-2	Stainless Steel U-Bolts (E380-03F)	4.5 kg (9.9 lbs)

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### ELECTRICAL SPECIFICATIONS

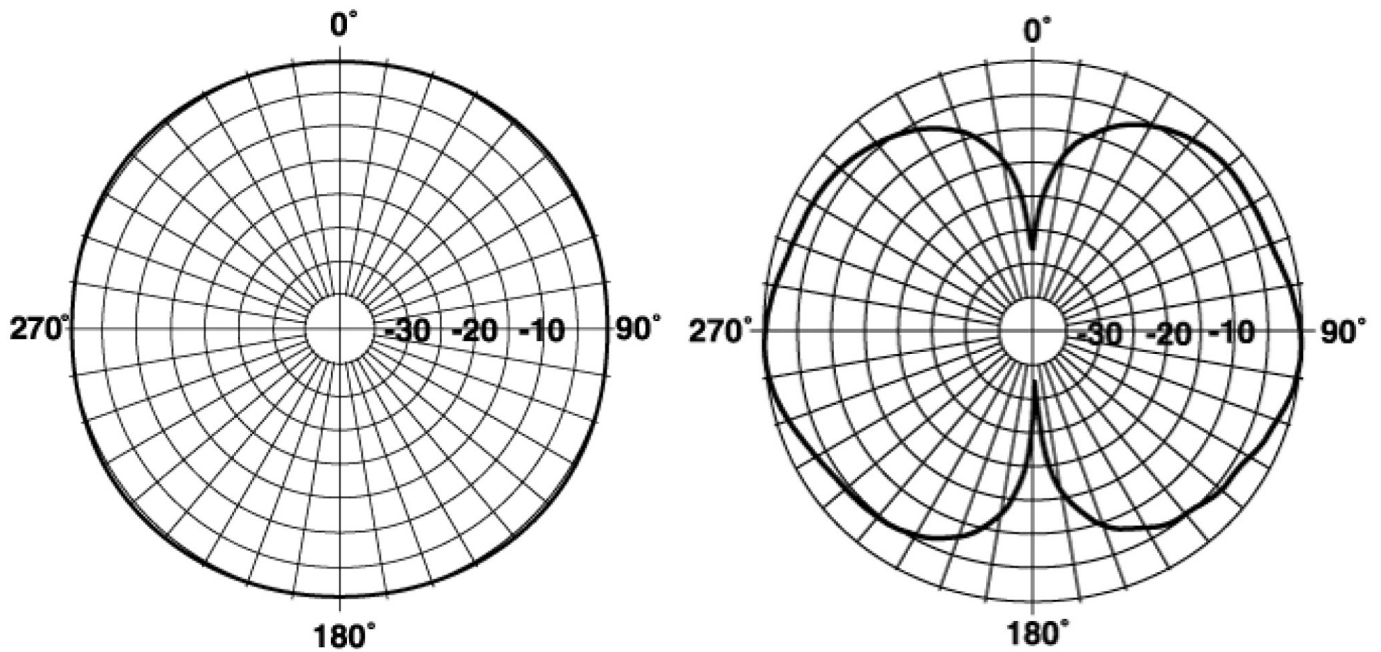
Frequency Range	MHz	450-512
Polarization	---	Vertical
Gain	dBi	2.1
Azimuth Pattern	---	Omnidirectional
Azimuth Beamwidth (3 dB)	degrees	N/A
Elevation Beamwidth (3 dB)	degrees	78°
Impedance	Ohms	50Ω
VSWR	---	< 1.5:1
Bandwidth for 1.5:1 VSWR	MHz	< 1.5:1
Maximum Effective Power Per Port	Watts	500 W

### MECHANICAL SPECIFICATIONS

Overall Length		m (ft)	0.94 (3.1)
Element Housing Length		m (ft)	0.82 (2.7)
Mounting Pipe Diameter		m (in)	0.08 (3)
Support Pipe Length		m (ft)	0.32 (1.04)
Net Weight - Antenna Only		kg (lbs)	3 (6.6)
Mounting Type		---	Fixed
Flexible Extensions		---	None
Max Wind Loading Area		m <sup>2</sup> (ft <sup>2</sup> )	0.07 (0.75)
Rated Wind Speed		km/h (mph)	200 (125)
Bend Mom @ Rated Wind 1" Below Top of Mt. Pipe		N m (ft lbf)	42 (31.2)
Wind Load - Side @ Rated Wind		N (lbf)	209 (47)
Connector Type		---	(1x) N Female at Bottom
Radiating Element Material		---	Brass
Element Housing Material		---	Fiberglass
Radome Color		---	White RAL9010
Mounting Hardware & Material		---	Stainless Steel U-Bolts (E380-03F)
Support Pipe Material		---	Black Powder Coated Aluminum
Lightning Protection		---	Direct Ground
Packaging Information	Shipping Weight	kg (lbs)	4.5 (9.9)
	Packing Dimensions HxWxD	mm (in)	1100 x 110 x 110 (43.3 x 4.3 x 4.3)
	Shipping Comment	---	N275F mounting bracket packed with antenna

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

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### INSTALLATION

Please read all installation notes before installing product.



Always attach the antenna using all mounting points.

Do not install antenna with the connectors facing upwards.

### EXTERNAL DOCUMENT LINKS

[N/A](#)

### NOTES

For Radiating Patterns: [Request pattern files](#)