1-Port Omnidirectional Antenna

450-512 MHz

0 dBd (2.2 dBi) | N Female

BA6110-2

Features

These antennas feature a broad frequency band and rugged construction. Radiating elements are encased in a weather-resistant, low-loss fiberglass radome. The size and mounting fixtures allow for easy storage and fast installation. Ideal for use where reliability is of the utmost importance. With a sturdy and strong construction, these antennas have been designed for a long lifetime.

- Unity gain, broadband base station antenna
- The antenna is shipped with our "C" mast bracket, which is a universal, epoxy-coated mounting bracket made of non-corrosive aluminum. The accompanying U-bolts and fittings are made of stainless steel
- The antenna can be mounted on 27-65 mm (1.1-2.6 in) diameter mast tubes and it is possible to lead the cable either along the inside or on the outside of the mast tube
- The broad-banded antenna element is completely enclosed in a fiberglass shroud, which will ensure performance undisturbed by corrosive environments
- To substantially reduce noise caused by atmospherical discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable
- This antenna is constructed to ensure long dependable service in all climates

PRODUCT OVERVIEW		
	Antenna Type	Unity Gain, Fiberglass Omni, Coaxial Dipole, Broad-Band
	Frequency Range (MHz)	450-512
	Connector	1 Port
	Polarization	Vertical
	Gain	0 dBd (2.2 dBi)
	Overall Height	1100 mm (43.3 in)

ORDERING OPTIONS Select from the following ordering options

ANTENNA MODEL NUMBER	MOUNTING HARDWARE	SHIPPING WEIGHT
BA6110-2	Stainless Steel U-Bolts	3.53 kg (7.8 lbs)

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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ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	450-512
Polarization	---	Vertical
Gain	dBd (dBi)	0 (2.2)
Azimuth Beamwidth (3 dB)	degrees	Omnidirectional
Elevation Beamwidth (3 dB)	degrees	60°
Impedance	Ohms	50Ω
VSWR	---	< 1.5:1
Bandwidth	---	62 MHz
Maximum Input Power	Watts	500 W
Antistatic Protection	---	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	---	HCM000ND00, 030DE00

MECHANICAL SPECIFICATIONS

Overall Height		mm (in)	Approx. 1100 (43.3)
Mounting		---	On 27-65 mm (1.1-2.6 in) diameter mast tube
Net Weight - Antenna Only		kg (lbs)	Approx. 2.4 (5.3)
Wind Area		m^2 (ft^2)	0.042 (0.45)
Wind Load at 160 km/h (99 mph)		N (lbf)	49 (11)
Connector Type		---	(1x) N Female at Bottom
Radome Material		---	Polyurethane-Coated Fiberglass
Radome Color		---	White RAL9003
Mounting Hardware Material		---	Mounting bracket: Seawater-resistant aluminum, epoxy-coated
Packaging Information	Shipping Weight	kg (lbs)	3.53 (7.8)
	Packing Dimensions Cardboard Box Telescope Length x Width x Depth	mm (in)	1300 x 125 x 125 (51.2 x 4.9 x 4.9)
	Shipping Comment	---	Stainless Steel U-Bolts packed with antenna

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ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	degrees	-30° to +70° C (-22° to +158° F)
Survival Wind Speed	km/h (mph)	200 (124)
Ingress Protection	---	IP56

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

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