

BA1010-1

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
- Designed for fixation on supporting tubes with an outer diameter between 27-65 mm (1.1-2.6 in)
- The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube
- A fiberglass radome completely encloses the carefully designed radiating elements to ensure long dependable service in all climates
- Atmospheric discharges are immediately led to ground as all metal parts are DC-grounded (consequently, the antenna shows a DC-short across the coaxial cable)



PRODUCT OVERVIEW	Antenna Type	Unity Gain, Fiberglass Omni, Coaxial Dipole, Broad-Band
	Frequency Range (MHz)	146-164
	Connector	1 Port
	Polarization	Vertical
	Gain	0 dBd (2.2 dBi)
	Overall Height	1750 mm (68.9 in)

ORDERING OPTIONS Select from the following ordering options

ANTENNA MODEL NUMBER	MOUNTING HARDWARE	SHIPPING WEIGHT
BA1010-1	Stainless Steel U-Bolts	5 kg (11 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	146-164
Polarization	---	Vertical
Gain	dBd (dBi)	0 (2.2)
Azimuth Beamwidth (3 dB)	degrees	Omnidirectional
Elevation Beamwidth (3 dB)	degrees	80°
Impedance	Ohms	50Ω
VSWR	---	< 1.5:1
Bandwidth	---	18 MHz
Maximum Input Power	Watts	500 W
Antistatic Protection	---	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	---	HCM000ND00, 040DE00

MECHANICAL SPECIFICATIONS

Overall Height	mm (in)	Approx. 1750 (68.9)	
Mounting	---	On 27-65 mm (1.1-2.6 in) diameter mast tube	
Net Weight - Antenna Only	kg (lbs)	Approx. 3 (6.6)	
Wind Area	m ² (ft ²)	0.091 (0.98)	
Wind Load at 160 km/h (99 mph)	N (lbf)	115 (26)	
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)	5 (11)
	Packing Dimensions Cardboard Box Telescope Length x Width x Depth	mm (in)	1750 x 110 x 110 (68.9 x 4.3 x 4.3)
	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](#)