

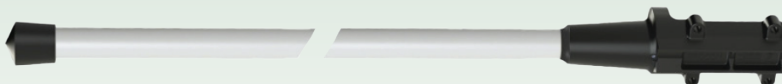


1-Port Omnidirectional Antenna

120–132MHz

DS040345

Model #: 104A-35F-00-00-07-N



Description

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.

Features

- 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)
- Cable can be led inside or outside the mast tube
- Fiberglass radome fully encloses radiating elements for dependable service in all climates
- All metal parts are DC-grounded for lightning protection (DC-short across coaxial cable)

Electrical Specifications

Parameter	Value
Frequency Range (MHz)	120–132
Polarization	Vertical
Gain	0 dBd (2.2 dBi)
Azimuth Beamwidth (3 dB)	Omnidirectional
Elevation Beamwidth (3 dB)	80°
Impedance (Ohms)	50Ω
VSWR	< 1.5:1
Bandwidth	12 MHz
Maximum Input Power (Watts)	500 W
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	HCM000ND00, 040DE00

TX RX Systems Inc.

8625 Industrial Pkwy,
Angola, NY 14006

716.549.4700 www.txrx.com



Mechanical Specifications

Parameter	Value
Overall Height	1750 mm (68.9 in)
Mounting	On 27–65 mm (1.1–2.6 in) diameter mast tube
Antenna Weight	Approx. 3 kg (6.6 lbs)
Wind Area	0.091 m ² (0.98 ft ²)
Wind Load at 160 km/h	115 N (26 lbf)
Connector Type	(1x) N Female at Bottom
Radome Material	Polyurethane-Coated Fiberglass
Radome Color	White RAL9003
Mounting Hardware	Seawater-resistant aluminum, epoxy-coated
Shipping Weight	5.5 kg (12.1 lbs)
Packing Dimensions <i>Length x Width x Depth</i>	1850 x 110 x 110 mm (72.8 x 4.3 x 4.3 in)
Shipping Comment	Stainless Steel U-Bolts packed with antenna

Environmental Specifications

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