4241

8.5 dBi GAIN
915MHz BAND OMNIDIRECTIONAL ANTENNA

FEATURES

- **White Fiberglass Cover**
- **Weatherproof For Outdoor Mounting**
- **Lightweight 5 Pounds**

DESCRIPTION

Vertical omnidirectional antennas radiate in a pattern similar to a horizontal doughnut. Their gain is proportional to their length. Increasing the length makes the doughnut pattern thinner and thereby increases the power radiated horizontally.

Omnidirectional antennas are useful in applications where their use eliminates the need for antenna alignment. Omnidirectional antennas are routinely used on the control end of a polling system.

When an omnidirectional antenna is used on the control end of a polling system, a yagi can be used on each slave unit for maximum gain and reduction in possible interference due to the front to back ratio gain reduction of the yagi antenna.

Designed for outdoor mounting, this 60" vertical antenna offers gain and flexibility in mounting, for ease of installation and dependable performance for medium to long range systems.

The radiating structure of this antenna is encased in a fiberglass radome to provide protection for the copper radiators. The fiberglass radome is ultraviolet inhibited. The heavy wall aluminum mounting sleeve is epoxy coated for superior weather protection.

These antennas are lightweight at 5 lbs. and are designed to survive winds to 125 MPH.

SPECIFICATIONS

ELECTRICAL

GAIN
8.5dBi

FREQUENCY
900-930MHz

IMPEDANCE
50 ohms

BANDWIDTH
30MHz

VSWR
<2.0:1

VERT BEAM WIDTH
15°

POWER RATING
250 watts

CONNECTOR
Type N Female

MECHANICAL

RADIATOR
Copper alloy elements

RADOME
White UV inhibited fiberglass

MOUNTING SLEEVE
Heavy wall epoxy coated aluminum

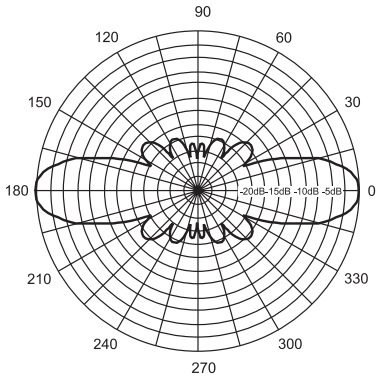
SLEEVE DIAMETER
1.35"

LENGTH
60"

WEIGHT
5 lbs.

WIND SURVIVAL
125 MPH

VERTICAL PATTERN



HORIZONTAL PATTERN IS CIRCULAR

ORDERING INFORMATION

4241	8.5dBi Gain, 54" Omni Antenna	QTY _____

ACCESSORIES

4242	Mount Bracket	QTY _____
4026	Bulkhead Connector Type N Female to Type N Female	QTY _____
4011	Bulkhead Surge Protector Type N Male to Type N Female	QTY _____
4035	Bulkhead Surge Protector Type N Female to Type N Female	QTY _____
4073	Two Antenna Coupler, Transmit and Receive, 2-Port 900 MHz	QTY _____
4051	Receive Only, 2 to 4 Antenna Coupler 4-Port 900 MHz	QTY _____
4062	50 Ohm Termination, For Unused Ports On P/N 4051,4061	QTY _____

For more accessories, see the ACCESSORIES section of this catalog (Page 51).

CABLES

RP = Reverse Polarity

CPT2	2 Ft WBC195 Cable w/ RP-SMA Male & Type N Male Connector	QTY _____
CPT6	6 Ft WBC195 Cable w/ RP-SMA Male & Type N Male Connector	QTY _____
CPT10	10 Ft WBC195 Cable w/ RP-SMA Male & Type N Male Connector	QTY _____
CPT-X	Custom length WBC195 Cable w/ RP-SMA Male & Type N Male Connector Specify length from 12 inches to 120 Inches Length _____ Inches	QTY _____

C195NM-NM-2	2 Ft WBC195 Cable w/ Type N Male & Type N Male Connector	QTY _____
C400NM-NF-10	10 Ft WBC400 Cable w/ Type N Male & Type N Female Connector	QTY _____
C400NM-NF-20	20 Ft WBC400 Cable w/ Type N Male & Type N Female Connector	QTY _____
C400NM-NF-30	30 Ft WBC400 Cable w/ Type N Male & Type N Female Connector	QTY _____
C400NM-NF-40	40 Ft WBC400 Cable w/ Type N Male & Type N Female Connector	QTY _____
C400NM-NF-50	50 Ft WBC400 Cable w/ Type N Male & Type N Female Connector	QTY _____
C400NM-NF-75	75 Ft WBC400 Cable w/ Type N Male & Type N Female Connector	QTY _____
C400NM-NF-100	100 Ft WBC400 Cable w/ Type N Male & Type N Female Connector	QTY _____
C400NM-NM-10	10 Ft WBC400 Cable w/ Type N Male & Type N Male Connector	QTY _____
C400NM-NM-20	20 Ft WBC400 Cable w/ Type N Male & Type N Male Connector	QTY _____
C400NM-NM-30	30 Ft WBC400 Cable w/ Type N Male & Type N Male Connector	QTY _____
C400NM-NM-40	40 Ft WBC400 Cable w/ Type N Male & Type N Male Connector	QTY _____
C400NM-NM-50	50 Ft WBC400 Cable w/ Type N Male & Type N Male Connector	QTY _____
C400NM-NM-75	75 Ft WBC400 Cable w/ Type N Male & Type N Male Connector	QTY _____
C400NM-NM-100	100 Ft WBC400 Cable w/ Type N Male & Type N Male Connector	QTY _____

For more cables, see the ACCESSORIES section of this catalog (Page 52).