

Part Number: 1000-1415-203



## VHF Ground to Air Antenna

### APPLICATIONS

The DPV-54i, coated with our special *Arctic Black Coating*, is a vertically polarized, omnidirectional, dipole antenna that operates over the frequency range of 400 to 500 MHz. It is sealed in a fiberglass radome that provides mechanical stability and environmental protection.

### FEATURES

The antenna is designed for ground-to-air communications and use in extreme and punishing environments. It is provided with a coaxial mounting arrangement to mount atop a 1 1/4" or 2 1/2" IPS pipe, shielding the electrical connections away from the environment. Additional benefits from the Arctic Black coating include:

- *Repels Water*
- *Salt and Sand Resistant*
- *Strengthens Surface Protection*
- *Corrosion Resistant*
- *Extends Operational Life\**
- *Customizable Color*

DESIGNED FOR LINE OF SIGHT COVERAGE

PREVENTS SIGNIFICANT ICE BUILD-UP

HIGH ANGLE ELEVATION PLANE

Arctic Black Coating  
virtually eliminates  
Ice build-up!

### ELECTRICAL SPECIFICATIONS

#### SPECS

FREQUENCY RANGE  
VSWR (MAX)  
GAIN  
POLARIZATION  
VERTICAL -3DB BEAMWIDTH  
HORIZONTAL -3DB BEAMWIDTH  
AZIMUTH RIPPLE  
POWER INPUT

#### PERFORMANCE

400-500 MHz  
2.0:1 MHz  
2 dBi (+/- 1dBi)  
Vertical  
65° (minimum)  
360°  
+/- 0.5 dB  
350 Watts max.

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

#### SPECS

CONNECTOR  
MOUNTING  
RADOME  
RADOME DIAMETER  
BASE DIAMETER  
COLOR  
LENGTH  
WEIGHT  
WIND SURVIVAL  
LIGHTNING PROTECTION

#### PERFORMANCE

N Female  
Top Mount  
Fiberglass  
2.375" O.D.  
3.31"  
White (standard)  
24"  
4 lbs  
85 knots with 1/2" radial ice  
Direct Ground