



Arctic Black Coating virtually eliminates ice build-up!

VHF Ground to Air Antenna



APPLICATIONS

The DPV-35i, coated with our special *Arctic Black Coating*, is a vertically polarized, omnidirectional, dipole antenna that operates over the frequency range of 118 to 137 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

ELECTRICAL SPECIFICATIONS

SPECS

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

PERFORMANCE

118-137 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)
51"
4.5 lbs
85 knots with 1/2" radial ice
Direct Ground

