



## 106-120 MHz VOR/ DVOR ANTENNA

### APPLICATIONS

The DVOR antenna is an Alford loop antenna with polyester fiberglass upper and lower radomes. The antenna is tunable to the required frequency which varies for each location.

### FEATURES

The **DVOR-1** is one of the antennas that make up a Digital Vertical Omni Range Antenna circular array that provides navigation information to aircraft. Aircraft fly to a DVOR array and then fly out from the array and in that manner navigate to the desired location.

Antenna Products Corp is an ISO 9001:2015 certified manufacture. The company was established in 1947 and has been designing and manufacturing antennas and antenna systems for more than 45 years.

**DESIGNED FOR AIR NAVIGATION SYSTEMS**

**RIGID MECHANICAL CONSTRUCTION**

**ALFORD LOOP ANTENNA**



### ELECTRICAL SPECIFICATIONS

#### SPECS

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

#### PERFORMANCE

106-120 MHz  
1.1:1 (tunable across the frequency range)  
0 dBi (minimum)  
Horizontal  
360°  
+/- 0.5 dB  
200 Watts (ave)

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

#### SPECS

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

#### PERFORMANCE

N Female  
On individual aluminum mount poles  
Polyester fiberglass  
31 inches O.D.  
4.5" (114.3 mm) O.D.  
White  
~40" (1016mm)  
~15 lbs (6.8 kg)  
100 MPH (162 km) with 1" radial ice  
Direct Ground