

Dual Polarization Omnidirectional Antenna



The MVDP5.0-6.0-7-D antenna is designed to be used in military, commercial, and other vehicular applications where reliability is needed most. This antenna works with all radios within the 5000-6000 MHz band.

The antenna is provided with state-of-the-art radiating elements essential for maximum reliability and superior performance. Typical Port-to-Port Isolation ranges from $31 \sim 45$ dB.

Being "ground independent", this antenna can be used on all types of vehicles (metal or non-metal) with no degradation in performance.

Robust and tough, this antenna is housed in a thick fiberglass radome and is constructed from corrosion resistant materials for reliability in the harshest environments.





Dual Polarization Omnidirectional Antenna

Specifications

ELECTRICAL:

Frequency Range: 5000-6000 MHz

Gain: 7.0 dBi +/- .5

VSWR: 2.0:1 Maximum

Input Impedance: 50 Ω Nominal

Power: 27 Watts

Polarization: Horizontal & Vertical

Port-to-Port Isolation: 31 ~ 45 dB Typical

Radiation Pattern: Azimuth: 360°

Elevation: 27°

DC Short: Yes

Input Connector: (2) Type N Female

MECHANICAL:

Length: 33.5 in. (0.85 m)

Radome Diameter: 1.5 in. (38.1 mm)

Net Weight: 5.0 lb. (2.27 kg)

Operational Temps: -40° to +185°F

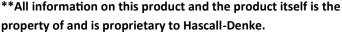
 $(-40^{\circ} \text{ to } +85^{\circ}\text{C})$

Color: Black/Green/Tan/Grey

Mounting: NATO Standard Four .5" (12.7 mm)

Holes, equally spaced on a 4.5"

(114.3 mm) Dia. BHC



^{**}Specifications are subject to change without prior notice.

