Dual Polarization Omnidirectional Antenna

The FXDP4.4-5.0-9-DAB antenna is designed to be used in military, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 4400-5000 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 34 ~ 45 dB.

Being “ground independent”, this antenna can be used on all types of structures (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.
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Specifications

**ELECTRICAL:**
- **Frequency Range:** 4400-5000 MHz
- **Gain:** 9.0 dBi +/- .5
- **VSWR:** 2.0:1 Maximum
- **Input Impedance:** 50 Ω Nominal
- **Power:** 27 Watts
- **Polarization:** Horizontal & Vertical
- **Port-to-Port Isolation:** 34 ~ 45 dB Typical
- **Radiation Pattern:**
  - Azimuth: 360°
  - Elevation: 13°
- **DC Short:** Yes
- **Input Connector:** (2) Type N Female

**MECHANICAL:**
- **Overall Height:** 39.5 in. (1.0 m)
- **Radome Diameter:** 1.5 in. (38.1 mm)
- **Net Weight:** 3.8 lb. (1.72 kg)
- **Operational Temps:** -40° to +185°F (-40° to +85°C)
- **Color:** Black/Green/Tan/Grey
- **Mounting:** UM007T or UM007F Mount (Sold Separately)

**HORIZONTAL ANTENNA E-PLANE PATTERN**

**VERTICAL ANTENNA E-PLANE PATTERN**

**HORIZONTAL ANTENNA VSWR**

**VERTICAL ANTENNA VSWR**

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**Specifications are subject to change without prior notice.**