



The A 5000-CP passive antenna provides an optimum solution for both transmitting and receiving RF signals throughout the UHF spectrum. Installations have demonstrated that the circular polarization of this antenna minimizes variations in signal strength and almost eliminates multipath problems, a primary cause of dropouts. The gain of this antenna over the entire UHF band is superior to common 'off the shelf' antennas.

The wideband design (450-960MHz) of the A 5000-CP allows it to accommodate antenna distribution systems for either wireless monitors or wireless microphones across multiple frequency ranges, offering maximum flexibility when designing complex RF systems.

## Features

- High Gain
- Minimized Multipath
- Broadband

## SPECIFICATIONS

|                           |   |
|---------------------------|---|
| Frequency range           | 450 - 970 MHz   |
| Radiation pattern         | Circular polarized helical  |
| Forward gain              | min 8 dBi (@650 MHz)  |
| Polarization              | Circular  |
| Connector type            | N (female), type N-male to BNC-female adapter (included)  |
| Half power beam width     | ± 40°   |
| SWR                       | <1.5:1  |
| Power handling capability | 50 W  |
| Radome depth              | 5.5" (140 mm)   |
| Ground plate diameter     | 14" (356 mm) 6061 Anodized Aluminum   |
| Mounting bracket          | 4 x 3.625 x 3/8" (101 x 93 x 9.5 mm)<br>Lexan plate, 3/8 Helicoil<br>Matthews pin avail. for lightning grid mount |
| Radome material           | black acrylic   |
| Element                   | Copper  |
| Element support           | Lexan   |
| Hardware                  | Stainless steel   |
| Approx. weight            | 3.1 lbs. (1.41 kg)  |

