

ULTRA-WIDEBAND HIGH PERFORMANCE LOW PROFILE ANTENNA

The PCTUWB-W high performance antenna offers ultra wideband coverage, easy to install design, and "top shelf" materials to provide maximum durability and performance for mobile communications.

Features

- No tune, multi-band coverage: 4G LTE (698 MHz to 6 GHz)
- Highly efficient, Carrier grade design to support modern voice/data mobile networks
- Metal 3/4-inch stud mount with slotted jam nut provides single cable exit for easier installation and/or antenna replacement
- Attractive low profile design for maximum installation flexibility without antenna orientation restrictions
- IP67 compliant design with custom overmolded gasket provides maximum protection against water or dust ingress under severe environmental conditions (when properly installed on a rooftop surface)
- High performance, low loss cable and high quality connectors for maximum RF system efficiency



PCTUWB-W

Electrical Specifications

Operating Frequencies	Polarization	Nominal Impedance	Gain (Typical)	Maximum Power	VSWR
698-2700 MHz 3300-3800 MHz 4.9-5.9 GHz	Vertical, linear	50 ohms	1.7-2.8 dBi 2.5-3 dBi 3-3.5 dBi	50 watts	<2.0:1

Mechanical Specifications

Dimensions	Radome and Baseplate Construction	Mounting Method	Coax	Connectors
5.2" OD x 2.8" H (132 OD x 71 H mm)	Black ² , UV stable CYCOLOY C6200 Radome Zinc baseplate over- molded with black TPE, SANTOPRENE gasket	3/4-inch hole, 3/4-inch long (.75") zinc stud mount with dual jam nuts (included)	17 feet Pro-Flex Plus low loss RG-58 cable	SMA Plug (Male) standard ²

Environmental Specifications

Operating / Storage Temperature	Ingress Protection
-40°C to +85°C	IP67 ³

¹ Measured on a 4-foot diameter ground plane. Gain value is measured at the end of the 17 foot coax.

² Other connector options available. Shown in white. Black radome also available.

³ When properly installed on rooftop surface, according to PCTEL installation instructions