

ULTRA-WIDEBAND HIGH PERFORMANCE LOW PROFILE ANTENNA

This PCTEL 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, multiband 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
U.S. Patent No. 8,184,060

Electrical Specifications

Model	Operating Frequencies	Polarization	Nominal Impedance	Gain* (Typical)	Maximum Power	VSWR
PCTUWB-W	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

Model	Dimensions	Radome and Baseplate Construction	Mounting Method	Coax	Connectors
PCTUWB-W	5.2" OD x 2.8" H (132 OD x 71 H mm)	Black, UV stable CYCOLOY C6200 Radome Zinc baseplate overmolded with black TPE, SANTO- PRENE 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**

Environmental Specifications

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

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

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

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

