

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, multi-band coverage: 4G LTE (600 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

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
PCTUWB-W	17 feet Pro-Flex™ Plus low loss RG-58 cable	SMA Plug (Male) standard	Built-in 3/4-inch long (.75") zinc stud mount with dual jam nuts for 3/4-inch holes

ELECTRICAL SPECIFICATIONS

Model	Frequency Range	Average Gain**	VSWR	Maximum Power	Nominal Impedance	Polarization
PCTUWB-W	600-960 MHz 1710-2700 MHz 3300-3800 MHz 4.9-5.9 GHz	1.7-2.2 dBi 1.7-2.8 dBi 2.5-3 dBi 3-3.5 dBi	< 2.0 < 2.0 < 2.0 < 2.0	50 watts	50 ohms	Vertical, linear

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	Housing Material	Ingress protection	Temperature Range
PCTUWB-W	5.2 OD x 2.8 H in (13.2 x 7.1 cm)	White UV-Stable Polycarbonate	IP67*	-40°C to +85°C

* When properly installed per PCTEL instructions.

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