

Multi-Band LTE MIMO

PCTEL's Max-Matics Trooper antenna provides optimal 4G LTE coverage in a single, low-profile housing. The antenna also incorporates PCTEL's high rejection GPS technology for optimal performance and support of carrier voice and data networks.

Features

- No tune, multi-band coverage: dual 4G LTE
- Metal 3/4-inch stud mount with slotted jam nut provides single cable exit for easier installation and/or antenna replacement
- IP67 compliant design provides maximum protection against water or dust ingress under severe environmental conditions*
- UV-resistant black or white housing options complement most vehicular aesthetic requirements



Trooper - Permanent Mount

STANDARD CONFIGURATION

Model	Cable	Connector	Mount	Housing Color
PCTHPDLTE-LTB	Two-17 feet Pro-Flex™ Plus 195 (4G LTE)	SMA Plug (LTE)	1-inch hole, 3/4-inch long (.75") zinc stud mount with jam nut	Black
PCTHPDLTE-LTW	Two-17 feet Pro-Flex™ Plus 195 (4G LTE)	SMA Plug (LTE)	1-inch hole, 3/4-inch long (.75") zinc stud mount with jam nut	White

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	Elements	Operating Frequencies	Polarization	Nominal Impedance	Gain** (typical)	Maximum Power	VSWR***
PCTHPDLTE-LTB	4G LTE Elements (2 each)	698-960 MHz/1710-2700 MHz	Vertical, linear	50 ohms	2.5 dBi	50 watts	< 2.0:1
PCTHPDLTE-LTW	4G LTE Elements (2 each)	698-960 MHz/1710-2700 MHz	Vertical, linear	50 ohms	2.5 dBi	50 watts	< 2.0:1

MECHANICAL SPECIFICATIONS

Dimensions (W x H)	Radome Construction	Operating/Storage Temperature	Gasket Design & Construction
4.05 W x 3.46 H in (10.3 x 8.8 cm)	UV-Stable Rugged Thermoplastics ****	-40°C to +85°C	Contour matching, conformable, thermoplastic-elastomer gasket designed to seal between radome and baseplate. Gasket flexes and conforms to contoured surfaces. Baseplate has a 3M™ VHB mounting pad for anti-rotation.

* If installed according to PCTEL's installation instructions ** Measured on a 4-foot diameter ground plane. Gain value is measured at the base of the antenna (no cable loss included).
 *** VSWR < 2:1 across all bands when measured on 1-ft diameter ground plane with 17-ft cable. When measured on 1-ft diameter ground plane with 1-ft cable, VSWR < 2:1 698-960MHz, < 2:1 1710-2170MHz, and < 2.5:1 2300-2700MHz. **** For white radome option, add suffix "W" to the part number. (GPSDLTEMIMO-LTW)