

LTE Cellular Broadband Omnidirectional Antenna with Integrated GPS Unit

The BOA-LCMGPS-PTNF-4LTE multiband antenna utilizes PCTEL's broadband element technology to achieve superior bandwidth performance. This platform offers multi-band coverage, high rejection GPS LNA technology, and an easy to install design with "top shelf" materials to provide maximum durability and performance for mobile data and video communications.

Features

- Multi-band coverage: 700 MHz LTE, 800 MHz Cellular/SMR, 900 MHz GSM/ISM, 1700-2200 MHz GSM/PCS, 3G/4G LTE, AWS, 2.4 GHz Wi-Fi and 2.5-2.7 GHz WiMAX broadband wireless frequencies
- Multiple network compatibility
- Four port MIMO design with full broadband coverage on all ports
- High performance, low loss cable and connectors for maximum efficiency
- Collar mount for ease of installation on 1-1/4" pipe
- UV-resistant, rugged fiberglass housing



BOA-LCMGPS-PTNF-4LTE

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
BOA-LCMGPS-PTNF-4LTE	5x - 4 ft (1.2 m) Pro-Flex™ Plus 195	N Female	Collar mount (included) to fit 1-1/4" pipe (pipe not included)

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	Frequency Range	Gain	VSWR	Average Power	Nominal Impedance	Polarization
BOA-LCMGPS-PTNF-4LTE	690-2700 MHz	2 dBi	< 2.0	50 watts	50 ohms	Vertical, linear

ELECTRICAL SPECIFICATIONS - GPS ANTENNA

Model	Frequency Range	Amplifier Gain*	Current Draw	DC Voltage	SWR	Noise Figure
BOA-LCMGPS-PTNF-4LTE	1575.42 MHz (GPS L1)	26 dB ± 3 dB	< 30 mA	3-5.5 V	1.5:1 typical output	1.8 dB typical

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS (ALL MODELS)

Dimensions	Weight	Housing Material	Ingress Protection	Temperature Range
3.25 OD x 35.7 H in (8.26 x 90.6 cm)	6.6 lbs (3.0 kg)	Black, UV-stable fiberglass	IP54	-40°F to +185°F (-40°C to +85°C)