

MLPV Low-Profile No Ground Plane Antennas

PCTEL's BMLPVMBLTENGP antennas provide superior pattern coverage for mobile and fixed applications operating in 4G LTE frequencies without the need for a ground plane. Their design provides industry leading wide-band performance and reliability, with minimum loss and no tuning required. These antennas are environmentally tested for both indoor or outdoor applications.

Features

- 4G LTE coverage with or without a ground plane
- Attractive, low-profile design for maximum overhead clearance
- Industry leading wide-band performance provides outstanding coverage across multiple frequency bands with no tuning required
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts
- "-VP" N female terminated version available to accommodate thick surface installations



BMLPVMBLTENGP-VP

STANDARD CONFIGURATION

Model	Cable	Connector	Mount/ Description
BMLPVMBLTENGP	Pro-Flex™ Plus 195 or PFP240 high frequency cable is recommended with these antennas. Cable or mount/cable assemblies sold separately.	Various connector options offered with PCTEL high frequency mounts	Compatible with most 1-1/8" - 18 thread mounts, including 3/4" hole mounts. For optimal performance, use higher frequency rated mounts (e.g. MLFML195C, MTPM800 and GMLFML195C). Mount sold separately. Accommodates surfaces up to 1/2" thick.
BMLPVMBLTENGP-VP		N Female bulkhead	

ELECTRICAL SPECIFICATIONS

Model	Frequency Range	Peak Gain ¹	Typical Gain ¹	VSWR	Maximum Power	Nominal Impedance	Polarization
BMLPVMBLTENGP	450-470/690-960/1710-2700 MHz	3 / 2.5 / 3.5 dBi	0 / -1 / 0 dBi	< 2.5:1	150 watts	50 ohms	Vertical
BMLPVMBLTENGP-VP	450-470/690-960/1710-2700 MHz	3 / 2.5 / 3.5 dBi	0 / -1 / 0 dBi	< 2.5:1	150 watts	50 ohms	Vertical

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	Weight	Temperature Range	Ingress Protection	Color
BMLPVMBLTENGP	1.43 OD x 3.49 H in (36.3 x 88.6 mm)	0.40 lbs (0.18 kg)	-40°F to +158°F (-40°C to +70°C)	IP66	Black
BMLPVMBLTENGP-VP	1.43 OD x 4.59 H in (36.3 x 116.6 mm)	0.534 lbs (0.242 kg)	-40°F to +158°F (-40°C to +70°C)	IP66	Black

1. 450-470 MHz gain and SWR measured on a cabinet chassis (450 mm x 300 mm x 15 mm) with a right angle bracket. 690-2700 MHz gain and SWR measured in free space.

