DATASHEET CELLULAR ANTENNAS (5G, LTE, CBRS, 3G, 2G)

Cellular Low Profile Vertical Antenna

Cellular Antennas (5G, LTE, CBRS, 3G, 2G)

BMLPVMB/LTE, BMLPVMB/LTE-VP

Description

The BMLPVMB/LTE low-profile vertical antenna provides superior multiband pattern coverage for mobile or fixed applications operating in frequencies from 600 MHz to 2700 MHz.

Technologies

- Cellular

Features

- Low-profile design
- High performance multiple band coverage with no tuning required
- Durable design

PCTEL
an **Amphenol** company

BMLPVMB/LTE,
BMLPVMB/LTE-VP

MLFML195C or MLFML240C
MLF high efficiency mount
(sold separately)

Cellular Low Profile Vertical Antenna

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) – Low Profile Whipless

The BMLPVMB/LTE low-profile vertical antenna provides superior multiband pattern coverage for mobile or fixed applications operating in frequencies from 600 MHz to 2700 MHz. This antenna is designed to provide industry leading wide-band performance and optimal coverage of LTE frequencies, with minimum loss and no tuning required. It features an attractive, compact housing that makes the antenna ideal for indoor or outdoor applications requiring minimum visibility to the antenna. PCTEL's high efficiency permanent mount is recommended for most efficient performance.

Features

- Attractive, low-profile design
- Multiple band coverage with no tuning required
- Can be used for mobile and fixed base applications
- Environmentally tested to MIL-STD-810F

Certifications

RoHS COMPLIANT

SPECIFICATIONS

Cellular Low Profile Vertical Antenna

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) – Low Profile Whipless

Standard Configurations

Model	Cable	Connector	Mount
BMLPVMB/LTE	RG-58 (DBL) or PFP240 high frequency cables are recommended with this antenna. Cable assemblies or mount/ cable assemblies are sold separately.	Various connector options offered with PCTEL high frequency mounts	For optimal performance, use higher frequency rated mounts (e.g. MLFML195C, MTPM800 and GMLFML195C). Mount sold separately.
BMLPVMB/LTE-VP		N Female bulkhead	Built-in N connector accomodates surfaces up to 1/2-in thick

Electrical Specifications – All frequencies

Model	Frequency Ranges	Peak Gain[1]	VSWR	Maximum Power	Polarization	Nominal Impedance
BMLPVMB/LTE	690-960 MHz	3 dBi	< 2:1	150 watts	Vertical, linear	50 ohms
	1710-2700 MHz	3 dbi				
BMLPVMB/LTE-VP	690-960 MHz	3 dBi				
	1710-2700 MHz	3 dbi				

Mechanical and Environmental Specifications

Model	Dimensions (OD x Height)	Weight (Mass)	Temperature Range	Ingress Protection[2]	Housing Color[3]
BMLPVMB/LTE	1.4" x 2.4" (3.6 x 6.1 cm)	0.29 lbs (0.13 kg)	-40˚F to +185˚F (-40˚C to +85˚C)	IP66	Black
BMLPVMB/LTE-VP	1.4" x 3.5" (3.6 x 8.9 cm)	0.31 lbs (0.14 kg)			

[1] Measures on a 1x1 ft ground plane. Gain is ground plane dependent.
[2] When installed per PCTEL installation instructions on a roof top surface
[3] For white housing option, add the prefix "W" to the part number.

CONTACT US

For more information about this product contact your sales representative or visit

> pctel.com/antenna-products

Solving Complex Wireless Challenges

PCTEL, an Amphenol company, is a leading global provider of wireless technology solutions, including purpose-built antenna systems, and test and measurement products. Trusted by our customers for decades, we solve complex wireless challenges to help organizations stay connected, transform, and grow.

PCTEL
an **Amphenol** company

PCTEL, Inc.

T: +1 630 372 6800 | pctel.com

Specifications subject to change without notice. PCTEL® is a registered trademark of PCTEL, Inc. ©2026 PCTEL, Inc. All rights reserved. Rev. A (July 2026)