

Multiband Low Profile Antenna Series

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

BMLPVDB700/2500



Description

Attractive multiband antenna with low profile, provides industry-leading multiband coverage and designed to withstand vibration conditions, making it suitable for rail, mining, and construction applications.

Technologies

- Cellular

Features

- Compact, low-profile design
- Multiband coverage



BMLPVDB700/2500



GMLFML195C or GMLFML240C
high efficiency magnetic mount
(sold separately)



MLFML195C or MLFML240C
MLF high efficiency mount
(sold separately)

Multiband Low Profile Antenna Series

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

PCTEL's BMLPVDB700/2500 antenna provides superior system efficiency and pattern coverage for mobile and fixed applications operating in 4G LTE frequencies. Its design provides industry leading multiband performance and reliability, with minimum loss and no tuning required. Featuring an attractive, compact housing, this antenna is designed and environmentally tested to withstand severe vibration conditions, making it suitable for rail, mining, and construction applications.

Features

- Precision machined element delivers superior efficiency for robust performance
- PTFE and Air dielectric utilized to minimize insertion losses and maximize radiated power
- No solder joint design for extreme vibration installations
- Integrated mount simplifies installation and service

Certifications



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Standard Configurations

Model	Cable	Mount	Housing Color
BMLPVDB700/2500	Pro-Flex™ Plus 195 or PFP240 high frequency cables are recommended with this antenna. Cable assemblies or mount/cable assemblies are sold separately.	For optimal performance, use higher frequency rated mounts (e.g. MLFML195C or GMLFML195C). Mounts sold separately. Built-in 5/8" hole; 1-1/8" thread N Female bulkhead suitable for installation surfaces up to 1/2" thick	Black

Electrical Specifications – All frequencies

Frequency Ranges	Gain	VSWR	Efficiency	Maximum Power	Polarization	Nominal Impedance
600 - 960 MHz	1.2 dBi	< 2.0:1	> 50%	2.5 watts	Vertical, linear	50 ohms
1710 - 2170 MHz	-2.0 dBi	< 2.0:1	> 20%			
2300 - 2700 MHz	-2.0 dBi	< 2.0:1	> 20%			

Mechanical and Environmental Specifications

Model	Dimensions (D x H)	Weight (Mass)	Temperature Range	Ingress Protection	Housing Color
BMLPVDB700/2500	36.37mm D x 61.34mm H	0.40 lbs (0.18 kg)	-40°F to +158°F (-40°C to +85°C)	IP67	Black

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

Solving Complex Wireless Challenges

PCTEL is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for over 28 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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