

PCTEL BMLPVMBLTENGP-VP Wideband Ground Independent Stud Antenna

Product Code

BMLPVMBLTENGP-VP

Polarisation

Vertical (V)

Design Type

Planar / Blade

Application Category

IoT/M2M

RF Category

Cellular



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 wideband performance and reliability, with minimum loss and no tuning required. Featuring an attractive, compact housing, these antennas are environmentally tested for both indoor or outdoor applications.

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. IP66 rated.

- Superior 698 to 2700 MHz 4G LTE coverage with or without a ground plane
- Attractive, low profile design for maximum overhead clearance
- Industry leading wideband performance, no tuning required
- IP66 environmental protection rating
- Integrated N Female termination accommodates thick surface mounting installations

▼ Antenna Technical Data

Physical Characteristics

Construction Material	No Data	RF Connections	1
Radome Colour	Other - Black	Environmental Rating	IP66
Dimensions	101.7 x 365 mm (H x ø)	Operating Temperature	-40 °C to 70 °C
Weight	0.2420 kg	Mounting	Bulkhead, N Female

▼ Cellular Patch Element

Electrical Specifications

Mechanical Specifications

Electrical Specifications**Mechanical Specifications**

Input Impedance	50 Ω	Input Connector	N
Polarisation	Vertical (V)	Input Connector Gender	Female
Max. Input Power	150 W	Cable Series	-
PIM, 3rd Order	-	Cable Length	-

▼ Range: 698 to 960 MHz

Peak Gain	3.00 dBi	Azimuth Beamwidth	360°
VSWR	2.5:1	Elevation Beamwidth	No Data
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

▼ Range: 1710 to 2700 MHz

Peak Gain	3.00 dBi	Azimuth Beamwidth	360°
VSWR	2.0:1	Elevation Beamwidth	No Data
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	-
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

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