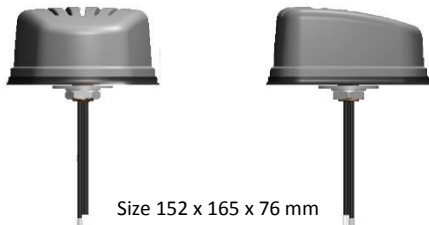


Panther Series MIMO LTE and GPS Multi-Band Vehicle

Mount Antenna

Part# GPSMB301



Size 152 x 165 x 76 mm
(Width x Length x Height)

Pulse Panther Series now offers a three connector roof mount antenna option which has two LTE ports and one GPS port. This compact, aesthetically pleasing solution combines ideal radiation performance for today's demanding propagation environments with optimum isolation characteristics ensuring highest data rates possible. The GPSMB301 is a versatile antenna for modern technology-equipped vehicles and is well-suited for Police, Ambulance, Fire and other public safety vehicles which may be transmitting camera video and other mission critical information through the LTE channels. Global positioning capability is supported via the integrated GNSS antenna which covers both the traditional GPS and the Russian Glonass satellite systems.

Features

- Supports LTE 698-960/1695-2170/2300-2700/2900-3600
- GPS (1575.42-1609) MHz
- Direct Mount
- Option magnetic mount (see GPSMBMM)

Applications

- Energy (Utility Vehicles)
- First Responders (Ambulance, Fire, Police)
- Fleet Management
- Location Based Services
- Telematics

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Panther Series MIMO LTE and GPS Vehicle Mount Antenna

Part# GPSMB301

ELECTRICAL SPECIFICATIONS	
Port 1 LTE Frequency (MHz)	698-960 / 1695-2170
Port 2 LTE Frequency (MHz)	2300-2700 / 2900-3600
Port 3 GPS Frequency (MHz)	15.75.42 - 1609
Nominal Impedance (Ω)	50
VSWR (LTE)	<1.7
Port 1 LTE Gain** (dBi)	<2170 MHz 6 (\pm 1 dB)
Port 2 LTE Gain** (dBi)	>2170 MHz 5.5 (\pm 1 dB)
Isolation LTE to LTE*** (dB)	15
Cable Length (Feet / Meters)	17 / 5.18
Radiation Pattern	Omni
Polarization	Vertical
Vertical Plane	See Chart
Isolation LTE to LTE*** (dB)	15
Power Withstanding (W)	20
E.S.D. Protection	External Recommended
Cable Length (Feet / Meters)	17 / 5.18
Connector Type	SMA

**Gain is measured on 2-ft ground plane with 4-inch cables.

***Measured in free space with 17-ft cables

Connector and cable length options are potentially available upon request.

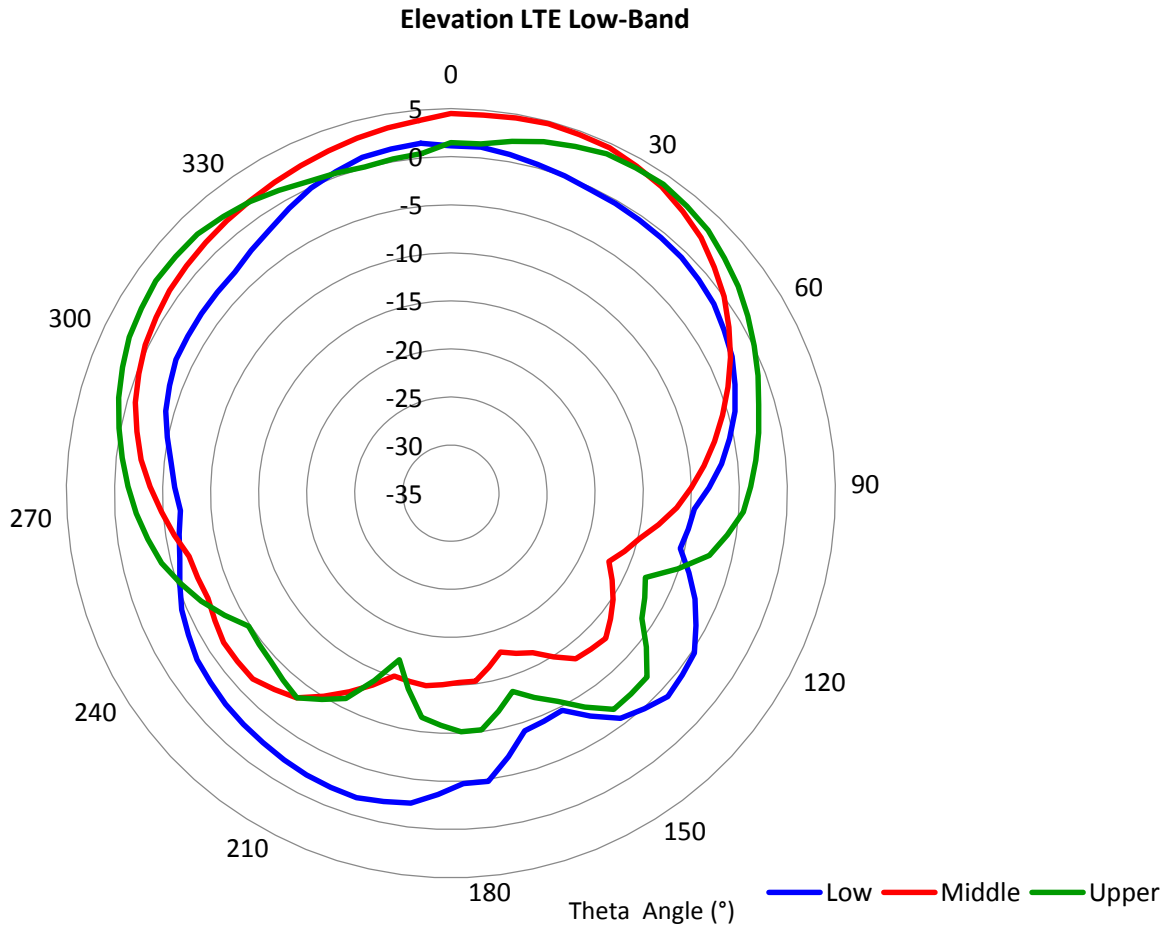
LNA SPECIFICATIONS	
Gain (dB)	31 (\pm 1)
Noise Figure (dB)	2.5
Current Draw (mA)	8
Voltage (V_{dc})	3-5

**Panther Series MIMO LTE and
GPS Vehicle Mount Antenna**
Part# GPSMB301

ENVIRONMENTAL SPECIFICATIONS	
Operation Temperature (° C)	-40 - +85

MECHANICAL SPECIFICATIONS	
Radome Material	ABS/PC
Color	Black
Ingress Protection	IP67
Weight (grams)	940
Mounting	Direct or Magnetic options

**Panther Series MIMO LTE and
GPS Vehicle Mount Antenna**
Part# GPSMB301



**Panther Series MIMO LTE and
GPS Vehicle Mount Antenna**
Part# GPSMB301

