

Pulse Part Number NMOHFGPS Family

Pulse/Larsen’s line of NMO mount antennas include low band all the way to 5.9 GHz. These antennas are designed for use in public safety, search and rescue, trucking, commercial fleets, GIS, and survey/mapping markets. Multiband designs are ideal for applications requiring GPS tracking and data transmission.



With the new NMOHFGPS series, Pulse/Larsen has combined the high performance of a GPS antenna with the flexibility of adding an NMO high frequency mount on the top for easy combination with virtually any Pulse/Larsen NMO mount antenna from 27 MHz to 6.0 GHz. Simply pull the center pin and insulator to convert from low frequency to high frequency applications. Pulling the center pin creates a coax-type connection optimal for high frequency applications. The larger center contact pin provides additional strength against downward compression during low frequency installations, resulting in better “Low Frequency” VSWR.

Features

- Easily Converts from Low to High Frequency Use
- Large Center Contact Pin for Better VSWR
- Combines NMOHF Mount with a GPS LNA Module
- RoHS Compliant Product

Applications

- Public Safety, Search and Rescue
- AVL (Automatic Vehicle Location)
- Survey/Mapping

| Part Number | Connector |
|------------------|---------------------------------|
| NMOHFGPSNOCONN | No Connectors |
| NMOHFGPSFMENOCNN | FME Female / No Connector (GPS) |
| NMOHFGPSFMESMA | FME Female / SMA Male (GPS) |
| NMOHFGPSSMASMA | SMA Male / SMA Male (GPS) |

Roof Mount NMOHFGPS

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Electrical Specifications - Mount Only

| | | |
|-------|--------------------------------|---------------------|
| | Nominal Impedance [Ω] | 50 |
| | Output VSWR | 2.0:1 |
| | Polarization | Right Hand Circular |
| | DC Resistance [$k\Omega$] | 5 |
| Cable | Type [NMOHF] | RG-58 |
| | Type [GPS] | RG-174 |
| | Length - NMOHF [Feet/ Meters] | 17 / 5.18 |
| | Length - GPS [Feet/Meters] | 17 / 5.18 |

GPS Specifications

| | |
|-----------------------------|---------------|
| Frequency [MHz] | 1574.4-1576.4 |
| 5V Gain [dBic / dB \pm 2] | 5 / 26 |
| Current Draw [mA Max] | 25 |
| Voltage [V DC] | 3 - 5 |

Environmental Specifications

| | |
|---------------------------------------|------------|
| Operating Temperature [$^{\circ}$ C] | -40 to +85 |
| Storage Temperature [$^{\circ}$ C] | -40 to +85 |

Mechanical Specifications

| | |
|------------------------|--|
| Radome Material | Makroblend (UV Stable) |
| Color | Black |
| Ingress Protection | IP-65 |
| Wind-loading [mph] | 150 |
| Dimensions [Inches/mm] | 2 x 1.5 x 0.7 / 50.8 x 338.1 x 17.78 |
| Mounting | Direct feed, 3/4" threaded through hole [see illustration] |

Side Profile Illustration

