

156 to 163 MHz, Omni Marine Antenna,  
3.5 dBi, UHF Female (SO239) Connector, White,  
Fiberglass Radome, Vertical Polarization

## PEMAROM1001



### Features

- Marine grade omni antenna
- Fiberglass strong material
- U-Bolt bracket
- SO239 Female connector
- 156 to 163 MHz, 3.5 dBi
- Yacht, boats and other marine vehicles
- Single pole long antenna
- IP67 rated antenna

### Applications

- Port operations
- Boater calling
- Commercial and Non-commercial communications
- International distress, safety and calling (156.80 MHz)
- Coast guard communications
- Marine radios on boats, pontoon, sailboats or yacht
- AIS calling
- Marine operators
- Weather monitoring

### Description

The Pasternack PEMAROM1001 is a single band omni marine antenna that ships on the same day as ordered. Our vertical polarized antenna with 156 to 163 MHz frequency range has a UHF female connector. This antenna with a white radome made of fiberglass has an overall length of 42.72 inch, a width of 1 inch, and a weight of 2.65 lbs.

Pasternack's PEMAROM1001 is a single band antenna operating from 156 to 163 MHz with 3.5 dBi gain. The omni directional antenna has a maximum input VSWR of 1.5:1.

Pasternack has one of the largest in-stock collections of omni directional antennas with our wide selection of superior quality RF parts, that ship same day. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal single band omni antenna as per your requirement.

### Configuration

|                   |                  |
|-------------------|------------------|
| Design            | Marine           |
| Band Type         | Single           |
| Radiation Pattern | Omni Directional |
| Polarization      | Vertical         |
| Cable Type        | S0239            |
| Connector Type    | UHF Female       |
| Number of Ports   | 1                |

### Electrical Specifications

| Description               | Minimum | Typical | Maximum | Units   |
|---------------------------|---------|---------|---------|---------|
| Frequency Range           | 156     |         | 163     | MHz     |
| Input VSWR                |         |         | 1.5:1   |         |
| Impedance                 |         | 50      |         | Ohms    |
| Gain                      |         | 3.5     |         | dBi     |
| Horizontal (Azimuth) HPBW |         | 360     |         | Degrees |
| Input Power               |         |         | 50      | Watts   |

### Mechanical Specifications

|                 |            |
|-----------------|------------|
| Radome Material | Fiberglass |
|-----------------|------------|

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## PEMAROM1001



### Size

|        |                      |
|--------|----------------------|
| Length | 42.72 in [108.51 cm] |
| Width  | 1 in [25.4 mm]       |
| Height | 1 in [25.4 mm]       |
| Weight | 2.65 lbs [1.2 kg]    |

### Environmental Specifications

#### Temperature

|                 |                  |
|-----------------|------------------|
| Operating Range | -40 to +80 deg C |
|-----------------|------------------|

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

### Typical Radiation Pattern

### Appendix

**Electrical Downtilt:** Angle in the antenna's elevation pattern in which the maximum gain occurs.

**Gain:** Antenna's average gain.

**Front to Back Ratio @ 180°±30°:** Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

**Cross-polarization Ratio (dB):** Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

156 to 163 MHz, Omni Marine Antenna, 3.5 dBi, UHF Female (SO239) Connector, White, Fiberglass Radome, Vertical Polarization from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [156 to 163 MHz, Omni Marine Antenna, 3.5 dBi, UHF Female \(SO239\) Connector, White, Fiberglass Radome, Vertical Polarization PEAROM1001](#)

URL: <https://www.pasternack.com/3.5-dbi-antenna-156-163-mhz-uhf-female-connector-pemarom1001-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PEMAROM1001 CAD Drawing

156 to 163 MHz, Omni Marine Antenna, 3.5 dBi, UHF Female (SO239)

Connector, White, Fiberglass Radome, Vertical Polarization

