

## VHF/GPS-03

490013-T

Marine and Land Based VHF/GPS-GLONASS Antenna. Tx/Rx. 35W 0 dBd. N-female. N239F. 3.3-18VDC. Cable set N-f, N-m and TNC-m and filter. Packed in tube and box.

VHF/GPS is a VHF antenna with a helix GPS/GLONASS antenna for frequencies 1575.42 MHz & 1602 MHz incorporated. This antenna is manufactured in premium quality materials in order to prevent galvanic corrosion. Radiating elements are made of brass. The antenna is manufactured using crimping technology giving the antenna a 4-5 times stronger build-up. The swivel nut N239F is included for installation on ISO 228/1-G1 mounts. A cable set is included too, equipped with N-female, N-male and TNC-male connectors. The antenna is always subject for improvement. The antenna has the same rugged design as all other AC Antennas products thus it withstands harsh environmental conditions...

### Short description

|               |  |
|---------------|--|
| Product group | GPS  |
| Design        | Coaxial dipole with active positioning antenna |
| Pattern       | Omnidirectional                                |

### Electrical specifications

|                          |                                  |
|--------------------------|----------------------------------|
| Frequency range [MHz]    | A: 156-162.5/ B:1575.42/ C: 1602 |
| Bandwidth [MHz]          | 6.5/0.01/0.01                    |
| Nominal Impedance [Ohm]  | 50                               |
| Max. Input Power [Watt]  | A. 35 B+C: Receive only          |
| Gain [dBd/dBi/Marine dB] | A: 0 / A: 2.15 / A: 3            |
| VSWR                     | <2:1                             |
| Polarisation             |                                  |
| DC Shorted               | No                               |
| DC Grounded              | Yes                              |
| Connector                | N-Female                         |

### Mechanical specifications

|  |                                     |
|--|-------------------------------------|
| Length [m/ft]                          | 1.26 / 3.82                         |
| Sections                               | 1                                   |
| Weight [kg/lbs]                        | 0.70 / 1.50                         |
| Survival Wind Speed [km/h / m/s / mph] | 160 / 44 / 99                       |
| Wind Area [m2/ft2]                     | 0.0227 / 0.2444                     |
| Wind Load @ 160km/h [N]                | 33                                  |
| Material                               | Fibreglass                          |
| Colour                                 | White                               |
| Operating Temperature Range [°C/°F]    | -40 to +60 / -40 to +140            |
| Ingress Protection                     | IP68                                |
| Thread                                 | 1" 14TPI male / ISO 228/1-G1 female |
| Mounting                               | Mounting nut included               |



