

# CELmar1-1N

100068-P

Marine and Land Based Light-Weight VHF Antenna. Tx/Rx. 100W  
0 dBd. N female. Packed in plastic

This is a high quality fibreglass omnidirectional antenna for marine and land based solutions. Suitable for rail and mast mounting. The antenna is manufactured in premium quality materials in order to prevent galvanic corrosion. Radiating elements are made of copper. The antenna is manufactured using crimping technology giving the antenna a 4-5 times stronger build-up. The antenna has the same rugged design as all other AC Antennas products thus it withstand harsh environmental conditions, both on sea and land.

## Short description

|               |                 |
|---------------|-----------------|
| Product group | VHF             |
| Design        | Coaxial dipole  |
| Pattern       | Omnidirectional |

## Electrical specifications

|                          |   |
|--------------------------|---|
| Frequency range [MHz]    | A: 149.0-162.5 / B: 88-108 / C: 160-250 |
| Bandwidth [MHz]          | 13.5 / 20 / 90                          |
| Nominal Impedance [Ohm]  | 50                                      |
| Max. Input Power [Watt]  | A: 100 B+C: Receive only                |
| Gain [dBd/dBi/Marine dB] | 0 / 2.15 / 3                            |
| VSWR                     | A: <1.5:1 B+C: Rx only                  |
| Polarisation             | Vertical                                |
| DC Shorted               | Yes                                     |
| DC Grounded              | Yes                                     |
| Connector                | N-Female                                |

## Mechanical specifications

|  |                          |
|--|--------------------------|
| Length [m/ft]                          | 1.27 / 4.17              |
| Sections                               | 1                        |
| Weight [kg/lbs]                        | 0.40 / 0.90              |
| Survival Wind Speed [km/h / m/s / mph] | 160 / 44 / 100           |
| Wind Area [m2/ft2]                     | 0,01845 / 0,1986         |
| Wind Load @ 160km/h [N]                | 27                       |
| Material                               | Fibreglass               |
| Colour                                 | White                    |
| Operating Temperature Range [°C/°F]    | -55 to +60 / -67 to +140 |
| Ingress Protection                     | IP66                     |
| Thread                                 | 5/8"-24TPI male / -      |
| Mounting                               | No mount included        |



