

## CX-UHF0-M-A

300011-T

Marine and Land Based UHF Antenna. Tx/Rx. 220W

0 dBd. N-female. N275F. Packed in a tube.

This omnidirectional unity gain antenna is used for radio telephone systems, two-way business radios and many other UHF applications. 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 fits the included mount N275F directly. The antenna is subject for improvement at all times. The antenna has the same rugged design as all other AC Antennas products thus it withstands harsh environmental conditions, both on sea and land.

### Short description

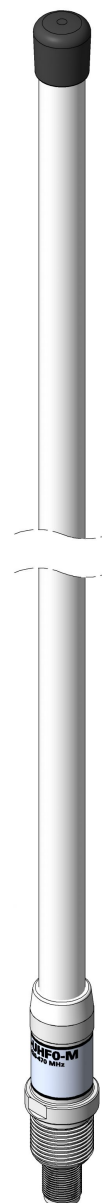
|               |                 |
|---------------|-----------------|
| Product group | UHF             |
| Design        | Coaxial dipole  |
| Pattern       | Omnidirectional |

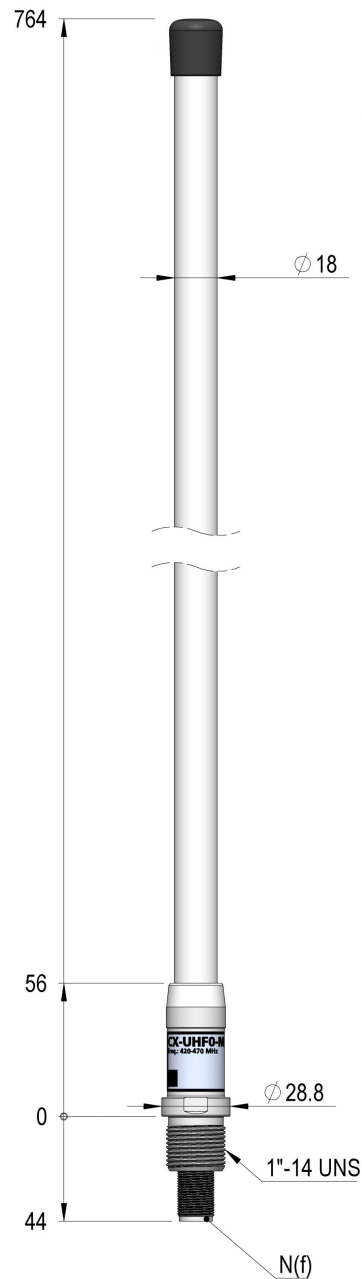
### Electrical specifications

|                          |  |
|--------------------------|--|
| Frequency range [MHz]    | A: 420.0-470.0 B: 420.0-475.0 C: 415.0-480.0 |
| Bandwidth [MHz]          | A: 50 B: 55 C: 65                            |
| Nominal Impedance [Ohm]  | 50   |
| Max. Input Power [Watt]  | 220  |
| Gain [dBd/dBi/Marine dB] | 0 / 2.15 / 3                                 |
| VSWR                     | A: <1.5:1 B: <2.0:1 C: <2.5:1                |
| Polarisation             | Vertical                                     |
| DC Shorted               | Yes  |
| DC Grounded              | Yes  |
| Connector                | N-Female                                     |

### Mechanical specifications

|  |                          |
|--|--------------------------|
| Length [m/ft]                          | 0.81 / 2.66              |
| Sections                               | 1                        |
| Weight [kg/lbs]                        | 0.45 / 1.00              |
| Survival Wind Speed [km/h / m/s / mph] | 200 / 55 / 124           |
| Wind Area [m2/ft2]                     | 0.0138 / 0.1486          |
| Wind Load @ 160km/h [N]                | 20                       |
| Material                               | Fibreglass               |
| Colour                                 | White                    |
| Operating Temperature Range [°C/°F]    | -55 to +70 / -67 to +158 |
| Ingress Protection                     | IP68                     |
| Thread                                 | 1" 14TPI male / -        |
| Mounting                               | Mount N275F included     |





## VSWR

Voltage standing wave ratio is a measure of the energy lost in the coax cable/antenna connection. The figure to the right shows VSWR measurement based on the average of a significant numbers of antennas. All antennas delivered by AC Antennas are tested and the VSWR is guaranteed in the specified frequency range.

