

## CELmar1-1

100003-P

Marine and Land Based Light-Weight VHF Antenna. Tx/Rx. 100W  
0 dBd. UHF 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	UHF-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



