

### Application

AR10MA-300KHz-N is an efficient active fiberglass receiving antenna for frequencies between 0.28 - 0.325 MHz. It is intended for use together with a Differential- GPS receiver. The antenna has good large signal handling characteristics, and is also very sensitive. The power supply is via the coaxial cable from the receiver.

### Electrical specifications

The antenna is protected against static discharges and surges at the power line.

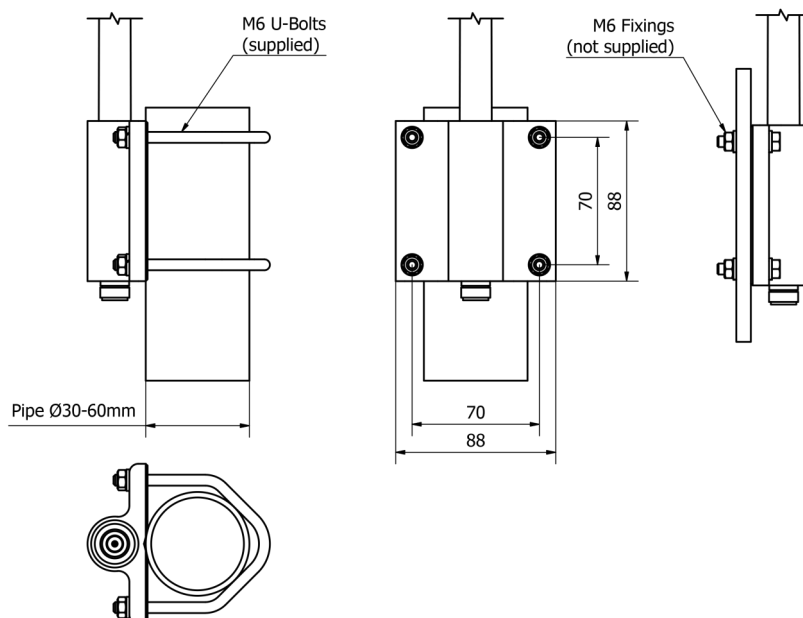
Frequency range	0.28 - 0.325
Pattern	Omnidirectional
Polarization	Vertical
Impedance	50 $\Omega$
Antenna factor	0.1 - 1
Supply voltage	9-15V
Sensitivity	0.025uV/VHz for 0dB S/N at 300KHz
Connector	N-connector

### Mechanical specifications

Design	Fibreglass whip with amplifier in the base.
Height	1.0 m (3.3 ft)
Weight	1 kg, including U-bolts.
Number of sections	1
Wind rating	55 m/s = 125 mph
Moment of flexure	2.5 kpm at 55 m/s wind load
Finish	Polyurethane lacquer, white
Ingress	IP67
Temperature range	-55 $^{\circ}$ C, +71 $^{\circ}$ C; -67 $^{\circ}$ F, +160 $^{\circ}$ F

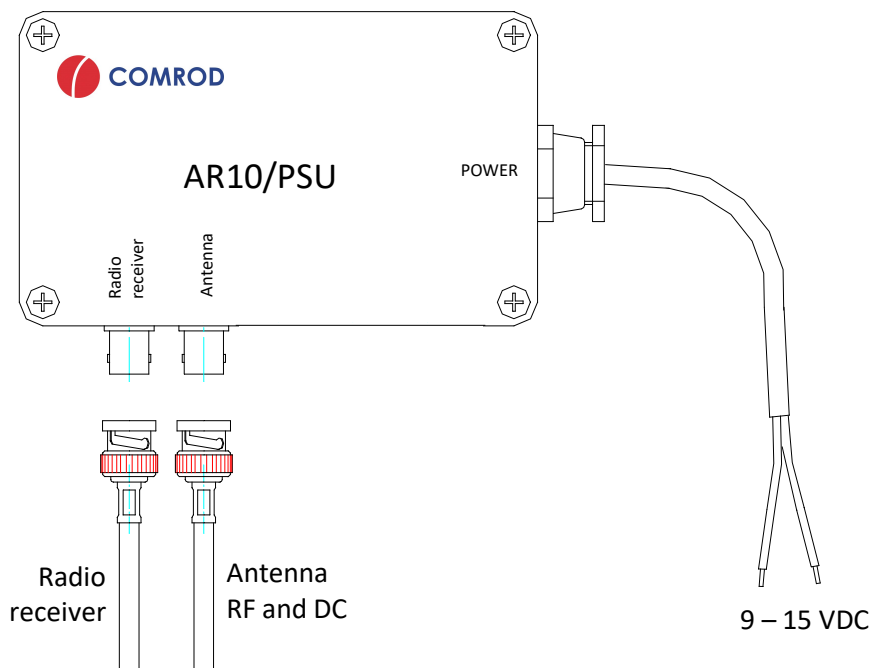
## Mounting

AR10MA-300KHz-N is easily mounted to the bulkhead by means of 4 holes in the aluminium bracket, or to a mast or tube with U-bolts. The U-bolts in stainless steel, are included. Suitable cable: RG58, RG213 or similar.



## Accessories

Power supply unit



## Electrical specifications, AR10/PSU

The AR10/PSU is a stabilised power supply unit for power supply via the antenna coaxial cable. It comes with a AC230/DC12 V adapter.

Frequency range	0.2-10 MHz
Impedance	50 Ohm
RF Loss	< 0.2 dB
Supply voltage	9-15 VDC, current < 15mA
Connector	BNC