

Marine VHF Antenna with Low Wind Load

DESCRIPTION

- This marine VHF antenna is designed especially for mounting at the masthead of sailboats. The dimensions have been kept as small as possible to reduce weight, wind load and cost.
- Despite the small dimensions the efficiency is very high, and the antenna is fully capable of handling the full 50 W of output power from typical marine VHF transmitters.
- The tapered  $\frac{1}{2} \lambda$  stainless steel radiator together with the chromed brass housing and stainless steel corner bracket constitute an antenna tough and ready to cope with the corrosive environment at the masthead.
- The end-fed dipole principle makes the antenna independent of ground-plane, radials or other auxiliary arrangements.
- The antenna whip should not be mounted parallel or near to other metal parts, such as windex, supporting wires etc. Free mounting and as high as possible is preferable, otherwise the SWR and the radiation diagram will be influenced.

SPECIFICATIONS

Electrical	
Model	MA 2-1 MR
Frequency	156 - 162 MHz
Antenna Type	$\frac{1}{2}\lambda$ dipole, end-fed
3 dB Beamwidth, H-Plane	Omnidirectional
Polarisation	Vertical
Impedance	50 $\Omega$
Gain	0 dBd (2.2 dBi)
Maximum Input Power	200 W
Bandwidth	6 MHz

Mechanical	
Wind Area	0.0076 sq. m / 0.08 sq. ft
Connection(s)	UHF female
Materials	Shroud : Stainless steel Housing: Glassfibre and chromed brass
Colour	Marine white
Height	1080 mm / 42.52 in.
Wind Load	8.5 N (160km/h)
Weight	0.48 kg / 1.06 lb
Mounting	With fast screws, rivets or binders

Environmental	
Operating Temperature Range	-30 °C to +70 °C

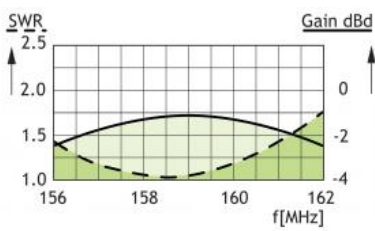
ORDERING

Type	Product No.
MA 2-1 MR	110000131

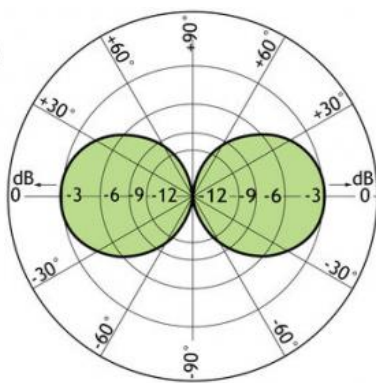


DIAGRAM

TYPICAL GAIN AND SWR CURVE



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

