

# MA 2-1 SC

*Marine VHF Antenna with Low Weight and Wind Load for Masthead Mounting*



## 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 watt of output power from typical marine VHF transmitters.
- ★ The tapered  $1/2 \lambda$  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 SC
ANTENNA TYPE	$1/2 \lambda$ dipole, end-fed
FREQUENCY	156-162 MHz
IMPEDANCE	Nom. 50 $\Omega$
POLARISATION	Vertical
GAIN	2 dBi (0 dBd)
BANDWIDTH	6 MHz
SWR	<1.3 at f.res
MAX. POWER	50 watt
MECHANICAL	
TEMP. RANGE	-30° C $\rightarrow$ +70° C
CONNECTOR	UHF-female
WIND SURFACE	0.0076 m <sup>2</sup>
WIND LOAD	8.9 N (at 150 km/h)
COLOUR	Bright chromed
MATERIALS	Shroud : Stainless steel Housing: Chromed brass
TOTAL HEIGHT	Approx. 1.08 m
WEIGHT	Approx. 265 g
MOUNTING	With fast screws, rivets or binders

