

# 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 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.

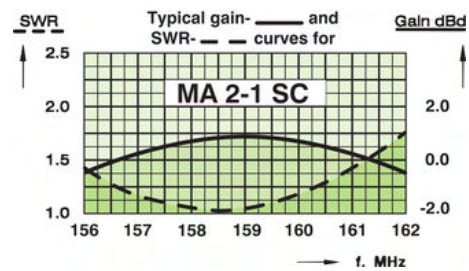


## ORDERING DESIGNATIONS

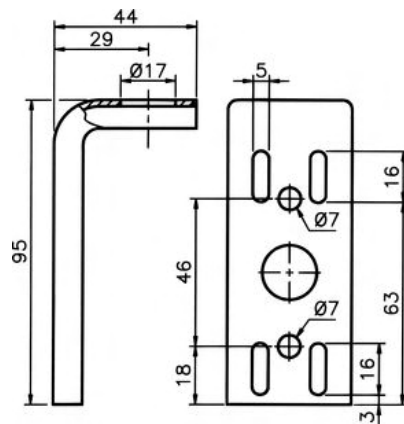
TYPE	PRODUCT NO.
MA 2-1 SC	110000133

## SPECIFICATIONS

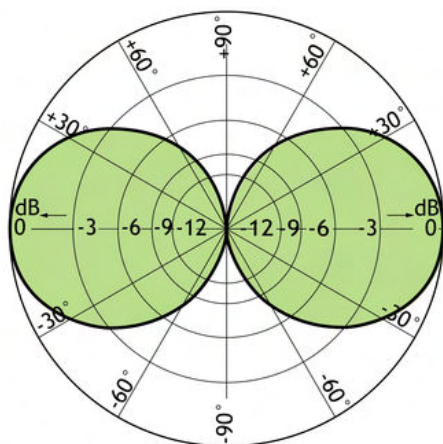
ELECTRICAL	
MODEL	MA 2-1 SC
ANTENNA TYPE	$\frac{1}{2} \lambda$ dipole, end-fed
FREQUENCY	156 – 162 MHz
IMPEDANCE	Nom. 50 $\Omega$
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	6 MHz
SWR	<1.3 @ f.res
MAX. POWER	50 W
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTOR	UHF-female
WIND SURFACE	0.0076 m <sup>2</sup>
WIND LOAD	8.9 N @ 150 km/h
COLOUR	Bright chromed
MATERIALS	Whip : Stainless steel Housing: Chromed brass
TOTAL HEIGHT	Approx. 1.08 m
WEIGHT	Approx. 265 g
MOUNTING	With fast screws, rivets or binder



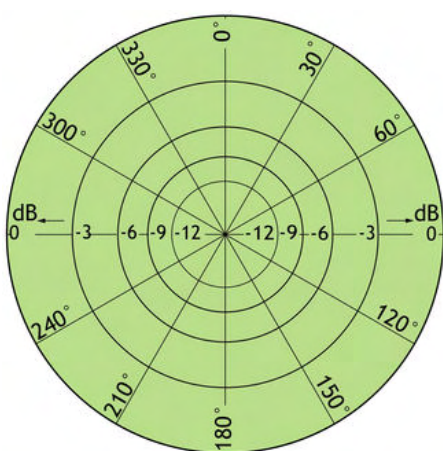
## "YA" MOUNTING BRACKET DIMENSIONS



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM A/S reserve the right to amend specifications without prior notice.

29/03/2011