

MA 2-1 SC

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

- 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.

DESCRIPTION

- 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	FREQUENCY	PRODUCT NO.
MA 2-1 SC	Covers 156 - 162 MHz	110000133
MA 2-1 SC/160..175 MHz	To be tuned within 156 to 175 MHz	110000396

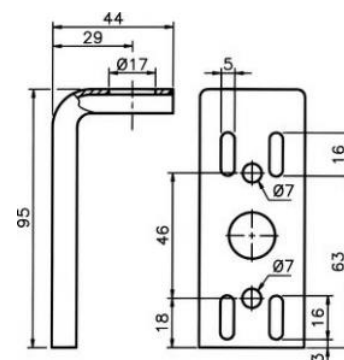
SPECIFICATIONS

ELECTRICAL	
MODEL	MA 2-1 SC
ANTENNA TYPE	$\frac{1}{2} \lambda$ dipole, end-fed
FREQUENCY	Models within 156 – 175 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	6 MHz
SWR	< 2.0
MAX. POWER	50 W

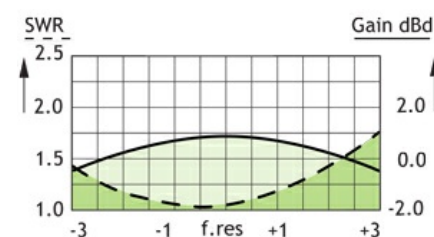
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTOR	UHF-female
WIND SURFACE	0.0076 m ²
WIND LOAD	8.9 N @ 150 km/h
COLOUR	Bright chrome White
MATERIALS	Whip : Stainlesssteel Housing: Chromed brass
TOTAL HEIGHT	Approx. 1.1 m
WEIGHT	Approx. 260 g
MOUNTING	With screws, rivets or binder



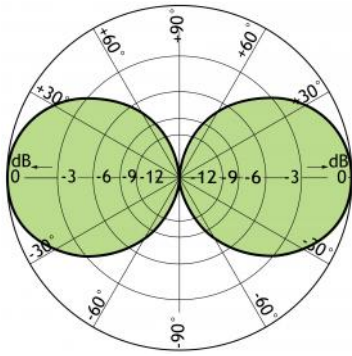
"YA" MOUNTING BRACKET DIMENSIONS



TYPICAL GAIN AND SWR CURVE



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

