

Marine VHF Antenna with reduced height

DESCRIPTION

- The efficiency is very high despite the small dimensions and the antenna is fully capable of handling up to 50 W of output power.
- The tapered, reduced, incapsulated $\frac{1}{2} \lambda$ copper wire radiator together with the chrome brass housing and stainless steel corner bracket constitute an antenna tough and ready to cope with the corrosive environment at the masthead or other places.
- 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-SHT
Frequency	156 - 162 MHz
Antenna Type	Reduced $\frac{1}{2} \lambda$ dipole, end-fed
3 dB Beamwidth, H-Plane	Omnidirectional
Polarisation	Vertical
Impedance	50 Ω
Gain	-3 dBd (-0.9 dBi)
VSWR	< 2.0:1
Maximum Input Power	50 W
Bandwidth	6 MHz = SWR 2

Mechanical	
Wind Area	0.0094 sq. m / 0.10 sq. ft
Connection(s)	UHF female
Materials	Whip : Glass fibre whip with copper wire winding, polyethylene-covered. Bright-chrome brass. Housing: Chrome brass
Colour	White / Metallic Silver
Height	550 mm / 21.65 in.
Wind Load	10.4 N (160km/h)
Weight	0.4 kg / 0.88 lb
Mounting	With screws, rivets or binder

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

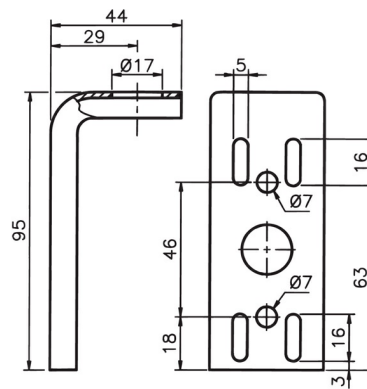
ORDERING

Type	Product No.
MA 2-1 SC-SHT	110000236

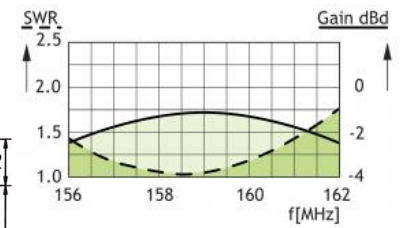


DIAGRAM

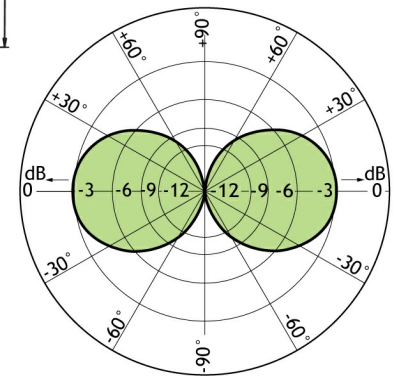
“YA” MOUNTING BRACKET DIMENSIONS



TYPICAL GAIN AND SWR CURVE



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

