

Model SB 3 U

VHF Marine Antenna 156-163 MHz

Installation Manual

DESCRIPTION

$3/4 \lambda$ marine antenna working on 156-163 MHz without Ground Plane. It is particularly protected against the worst sea climates. The conic glass fibre tube makes it strong so to get a full assurance. The radial whip is earthed in order to avoid stray R.F. currents and their discharges. It is supplied with a stainless steel bracket for an easy fitting on the top of the mast. In the mentioned range of frequencies adjustments are not required.

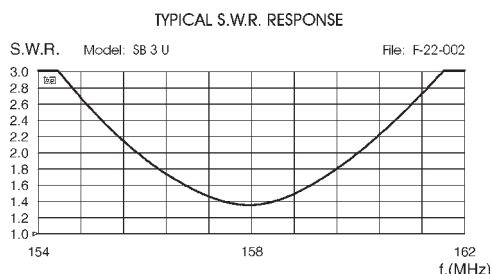
SPECIFICATIONS

Electrical Data

Type	:	$3/4 \lambda$ J-pole Marine Antenna
Frequency Range	:	156-163 MHz
Impedance	:	50 Ω Unbalanced
Radiation (H-plane)	:	360° Omnidirectional
Radiation (E-plane)	:	Beamwidth at -3 dB = 39°
Radiation angle deg.	:	21°
Polarization	:	Vertical
Gain	:	2 dBd - 4.15 dBi
Bandwidth at V.S.W.R. 2:1	:	5.5 MHz at 158 MHz
V.S.W.R. at f. res.	:	$\leq 1.4:1$
Max Power	:	100 Watts
Feed System / Position	:	1/4 Parallel Line Stub / Base
Connection	:	UHF SO 239

Mechanical Data

Materials	:	Chromed Brass, Nylon, Glass fibre
Height (approx.)	:	1465 mm
Weight (approx.)	:	300 gr



TYPICAL RADIATION PATTERN in E-plane at 158 MHz
File: E-22-002 Scale: linear

