

Model CELL 900 MARINER

UHF Marine Antenna 890-960 MHz

Installation Manual

DESCRIPTION

1/2 λ marine antenna conceived for CELLULAR systems working on 900 MHz. The whip is earthed to avoid statical discharges. All metallic components are made of chromium plated brass and stainless steel to improve its strength and it is inserted in a glass fibre tube for a perfect protection against the worst sea weather. It can be supplied with the following fixing mounts: "M-3" adjustable mount of chromium plated brass, "M-8" adjustable mount of white nylon and "M-10" adjustable mount of chromed plated brass.

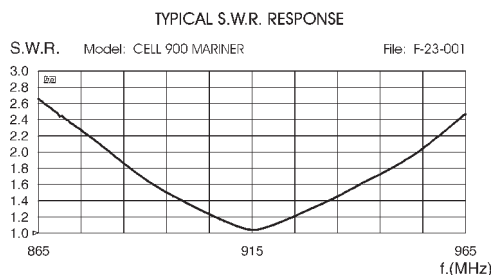
SPECIFICATIONS

Electrical Data

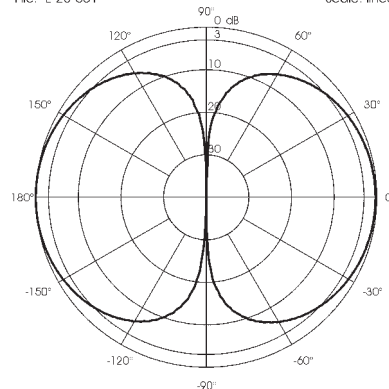
Type	:	1/2 λ J-pole Marine Antenna
Frequency Range	:	890-960 MHz
Impedance	:	50 Ω Unbalanced
Radiation (H-plane)	:	360° Omnidirectional
Radiation (E-plane)	:	Beamwidth at -3 dB = 86°
Radiation angle deg.	:	0°
Polarization	:	Vertical
Gain	:	0 dBd - 2.15 dBi
Bandwidth at V.S.W.R. 2:1	:	36 MHz
V.S.W.R. at f. res.	:	$\leq 1.2:1$
Max Power	:	30 Watts
Feed System / Position	:	Direct DC-Ground / Base

Mechanical Data

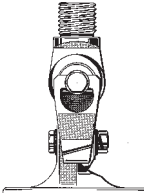
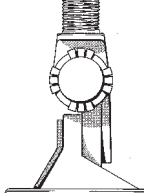
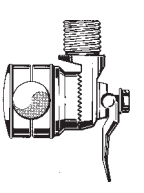
Materials	:	Chromed Brass, Glass fibre
Height (approx.)	:	420 mm
Weight (approx.)	:	470 gr



TYPICAL RADIATION PATTERN in E-plane at mid-band
File: E-23-001 Scale: linear



OPTIONAL MOUNTING BASES

 <p>M-3 OT Marine Mount</p> <p>Adjustable marine mount of chromed brass with standard connection 1"x14 threads. It's supplied with rubber washer and stainless steel screws.</p>	 <p>M-8 NY Marine Mount</p> <p>Adjustable marine mount of white nylon, supplied with standard connection 1"x14 threads, rubber washer and stainless steel screws.</p>	 <p>M-10 OT Marine Mount</p> <p>Adjustable marine mount made of chromium plated brass and supplied with standard connection 1"x14 threads. Stainless steel screws, fixing diameter 1".</p>
---	---	--