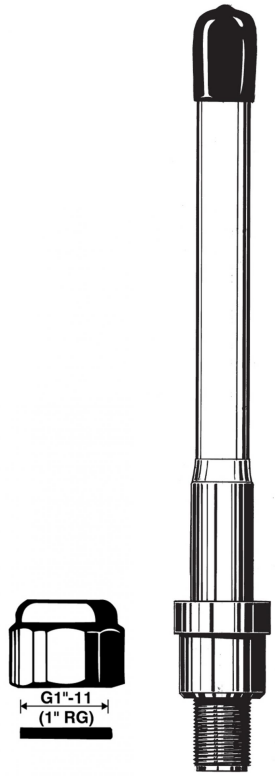
CXL 2400-1/...

Unity Gain Base Station and Marine 2400 MHz Antenna for Mounting on Threaded 1" Water pipe

DESCRIPTION

- The CXL 2400-1/... is a 0 dBd, vertically polarized, omnidirectional rod-type base station and marine antenna for the 2400 MHz band.
- The 1" revolving nut mounting system is standard throughout the marine sector, and several different mounting brackets are available, making it possible to install the antenna either on the masthead using FLG or SMR 2, side-mounted on the mast (SMR 1) or mounted on a cross-beam (FLG). Also, the antenna can be mounted on deck or rooftop by means of the FLG.
- The higher the antenna is mounted, the better coverage. Avoid mounting the antenna parallel to or in the neighbourhood of other metal parts, such as masts, supporting wires etc., otherwise the SWR and the radiation pattern may be strongly influenced.
- A conical glass fibre tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates.



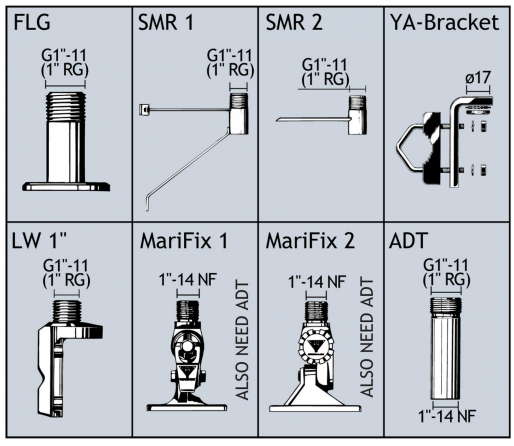
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
CXL 2400-1/l	110000165	2300 – 2500 MHz
CXL 2400-1/m	110000164	2400 - 2600 MHz
CXL 2400-1/h	110000166	2500 – 2700 MHz

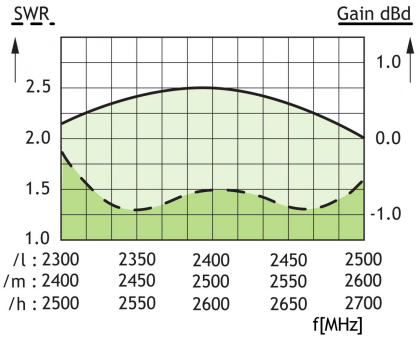
SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 2400-1/...
ANTENNA TYPE	½ λ coaxial dipole, broad-banded
FREQUENCY	Models within 2300 – 2700 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	≥ 200 MHz @ SWR ≤ 2.0
SWR	≤ 2.0, typ. ≤ 1.5
MAX. POWER	100 W
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.006 m²
WIND LOAD	Approx. 8 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
TOTAL HEIGHT	Approx. 230 mm
DIA. IN TOP END	14 mm
DIA. IN BOTTOM END	16 mm
WEIGHT	Approx. 180 g
MOUNTING	On 1" RG (G1"-11) threaded water pipe or on optional mounting brackets (see below)

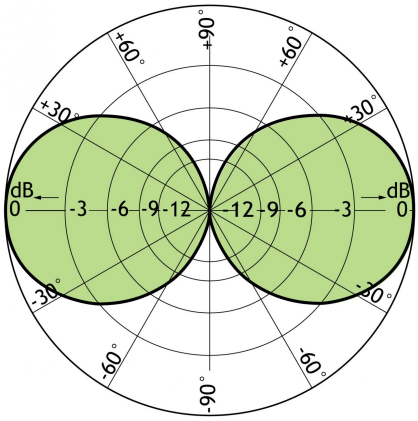
ACCESSORIES (to be ordered separately)



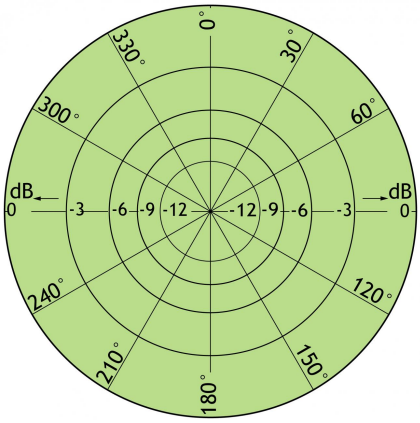
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.

06/11/13