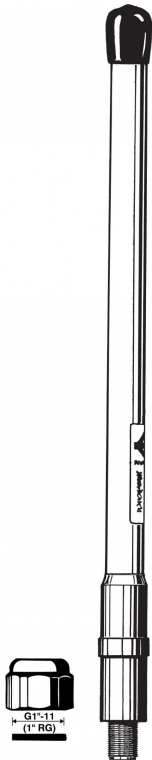


CXL 2400-3/...

3 dBd Omnidirectional Base Station and Marine Antenna for the 2400 MHz Band

DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- Approximately 3 dBd gain.
- Simple mounting using the 1" revolving nut system.
- Wide variety of accessory mounting brackets available.
- Large bandwidth with respect to both SWR and gain.
- Highly suitable for duplex operation with large spacing between the TX and the RX frequencies.
- The antenna element is sealed in a high-quality, conical glass fibre tube.
- All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. Consequently, the antenna shows a DC-short across the coaxial cable.
- The CXL 2400-3/... is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
CXL 2400-3/l	110000157	2300 – 2500 MHz
CXL 2400-3/m	110000158	2400 - 2600 MHz
CXL 2400-3/h	110000159	2500 – 2700 MHz

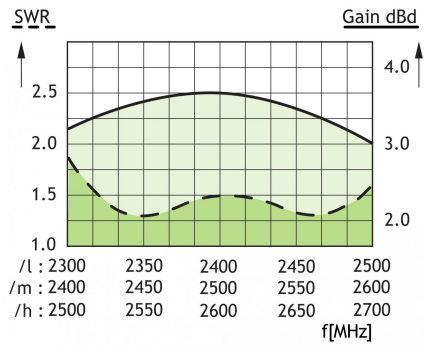
SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 2400-3/...
ANTENNA TYPE	Coaxial, collinear antenna, broad-banded
FREQUENCY	Models within 2300 – 2700 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	5 dBi 3 dBd
BANDWIDTH	≥ 200 MHz @ SWR ≤ 2.0
SWR	≤ 2.0, typ. ≤ 1.5
MAX. POWER	100 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.01 m ²
WIND LOAD	Approx. 13 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
TOTAL HEIGHT	Approx. 550 mm
DIA. IN TOP END	22 mm
DIA. IN BOTTOM END	23 mm
WEIGHT	Approx. 400 g
MOUNTING	On 1" RG (G1"-11) threaded water pipe or on optional mounting brackets (see below)

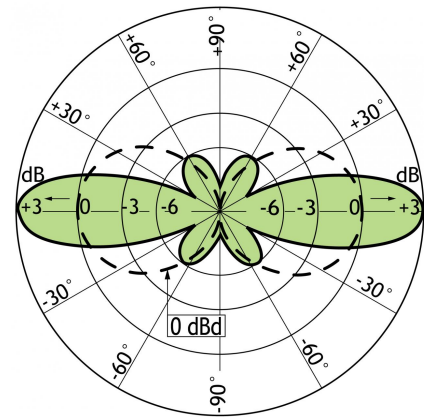
ACCESSORIES (to be ordered separately)

FLG G1"-11 (1" RG)	SMR 1 G1"-11 (1" RG)	SMR 2 G1"-11 (1" RG)	YA-Bracket ø17
LW 1" G1"-11 (1" RG)	MariFix 1 1"-14 NF ALSO NEED ADT	MariFix 2 1"-14 NF ALSO NEED ADT	ADT G1"-11 (1" RG) 1"-14 NF

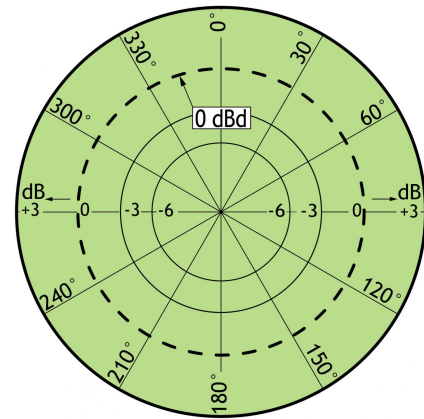
TYPICAL GAIN AND SWR CURVES



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.

11/11/11