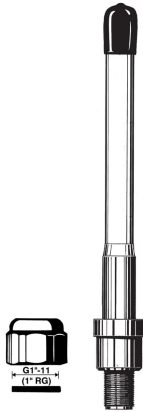


CXL 2-3 GHz

Unity Gain Base Station and Marine 2 - 3 GHz Antenna for Mounting on Threaded 1" Water pipe

DESCRIPTION

- The CXL 2-3 GHz is an ultra broad-banded, 0 dBd, vertically polarized, omnidirectional rod-type base station and marine antenna for the 2 - 3 GHz 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 by use of 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.



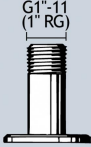
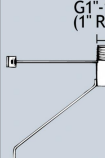





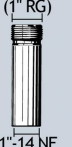
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 2-3 GHz	100000204

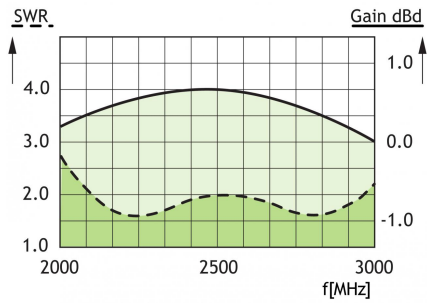
SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 2-3 GHz
ANTENNA TYPE	1/2 λ coaxial dipole, broad-banded
FREQUENCY	2000 - 3000 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	≥ 1 GHz @ SWR ≤ 2.0
SWR	≤ 2.0
MAX. POWER	100 W
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.006 m ²
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. AT TOP END	14 mm
DIA. AT BOTTOM END	16 mm
WEIGHT	Approx. 180 g
MOUNTING	On 1" RG (G1"-11) threaded water pipe or on optional mounting brackets (see below)

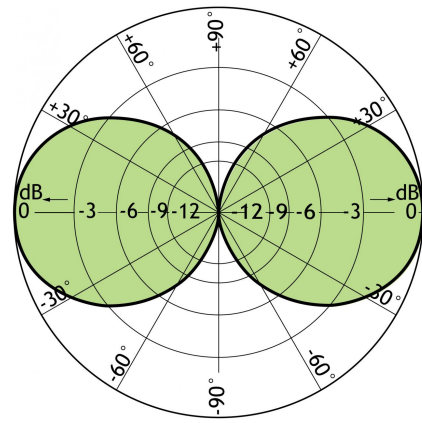
ACCESSORIES (to be ordered separately)

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

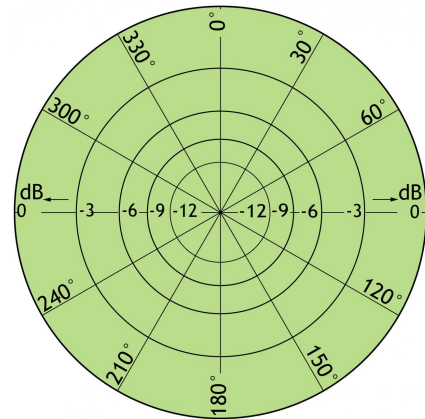
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM A/S reserve the right to amend specifications without prior notice.

02/12/11