

CXL 5700-1/...

Unity Gain Base Station and Marine 5700 MHz Antenna for Mounting on Threaded 1" Water pipe

DESCRIPTION

- The CXL 5700-1/... is a 0 dBd, vertically polarised, omnidirectional rod-type base station and marine antenna for the 5700 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.



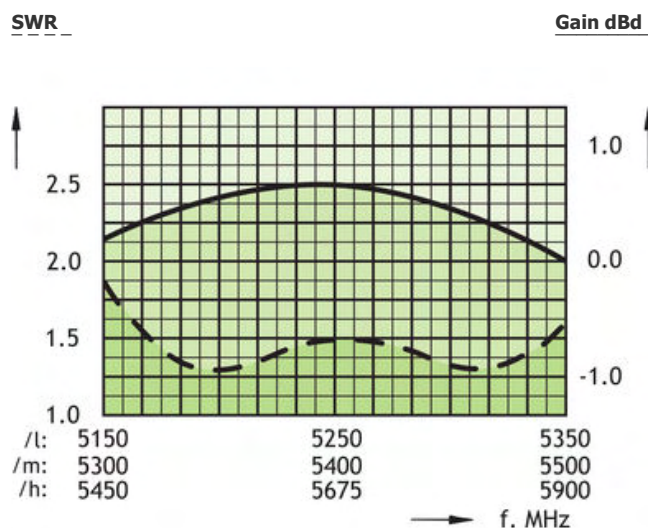
ORDERING DESIGNATIONS

TYPE NO.	FREQUENCY	PRODUCT NO.
CXL 5700-1/l	5150 - 5350 MHz	100000285
CXL 5700-1/m	5300 - 5500 MHz	100000286
CXL 5700-1/h	5450 - 5900 MHz	100000198

SPECIFICATIONS

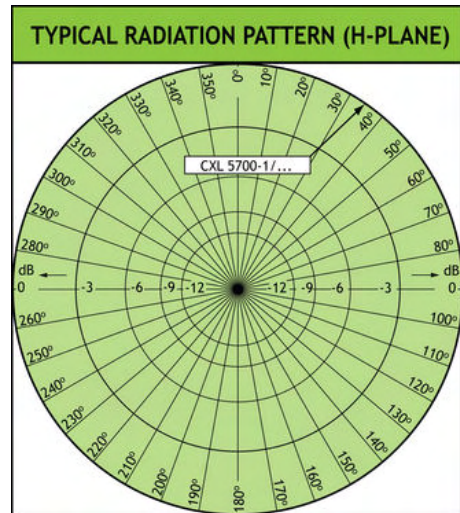
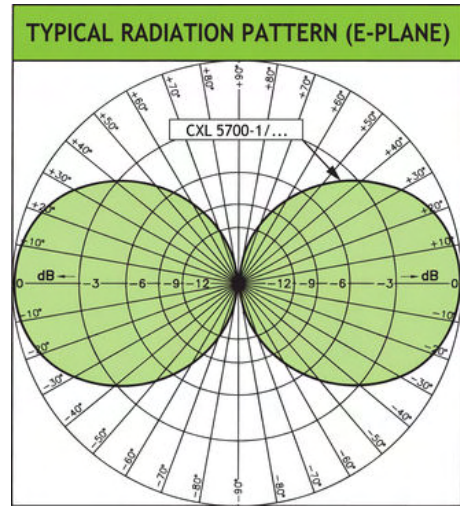
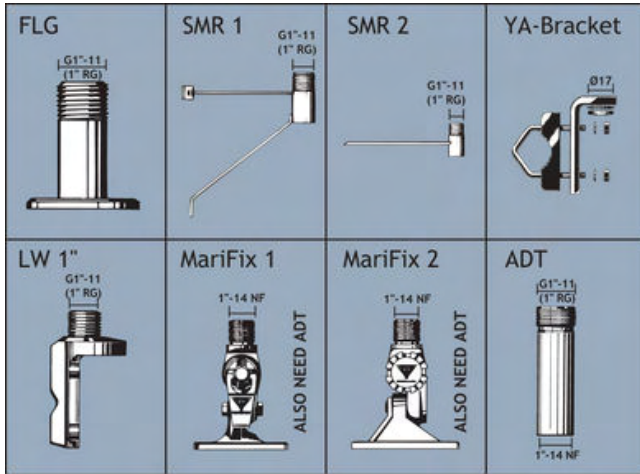
ELECTRICAL	
MODEL	CXL 5700-1/...
ANTENNA TYPE	1/2 λ coaxial dipole, broad-banded
FREQUENCY	Models within 5150 – 5900 MHz
IMPEDANCE	Nom. 50 Ω
POLARISATION	Vertical
GAIN	2 dBi 0 dBd
BAND WIDTH	≥ 300 MHz @ SWR ≤ 2.0
SWR	≤ 2.0, typ. ≤ 1.5
MAX. POWER	100 W
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.006 m ²
WIND LOAD	Approx. 8 N @ 160 km/h
COLOUR	Marine white
MATERIALS	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)

TYPICAL GAIN AND SWR CURVES



ACCESSORIES

(to be ordered separately)



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

02/10/2009