

# CXL 5700-3

3 dBd Omnidirectional Base Station and Marine Antenna for the 5700 MHz Band

## DESCRIPTION

- Vertically polarised, 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 5700-3 is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



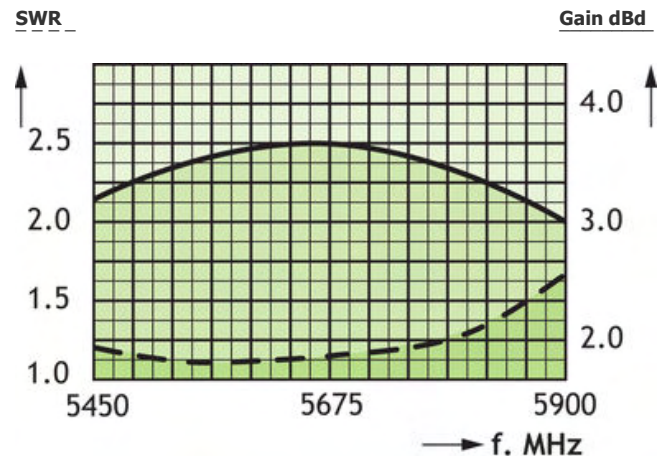
## ORDERING DESIGNATIONS

TYPE NO.	PRODUCT NO.
CXL 5700-3	100000199

## SPECIFICATIONS

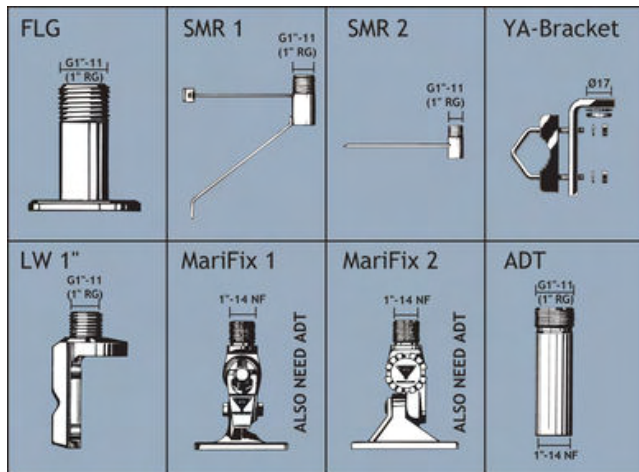
ELECTRICAL	
MODEL	CXL 5700-3
ANTENNA TYPE	Coaxial, colinear antenna, broad-banded
FREQUENCY	5450 - 5900 MHz
IMPEDANCE	Nom. 50 Ω
POLARISATION	Vertical
GAIN	5 dBi 3 dBd
BAND WIDTH	≥ 450 MHz @ SWR ≤ 2.0
SWR	≤ 1.5
MAX. POWER	100 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.005 m <sup>2</sup>
WIND LOAD	Approx. 6 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. 200 g
MOUNTING	On 1" RG (G1"-11) threaded water pipe or on optional mounting brackets

## TYPICAL GAIN AND SWR CURVES

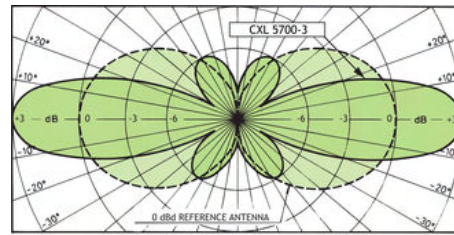


**ACCESSORIES**

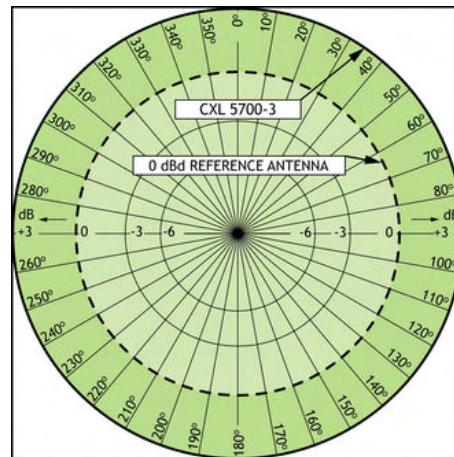
(to be ordered separately)



**TYPICAL RADIATION PATTERN (E-PLANE)**



**TYPICAL RADIATION PATTERN (H-PLANE)**



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

18/11/2009