

CXL 5200-6LW

6 dBd Omnidirectional Base Station and Marine Antenna for the 5200 MHz Band

DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- Approximately 6 dBd 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 5200-6LW is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



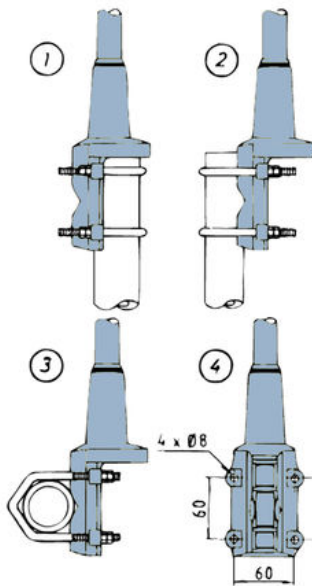
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 5200-6LW	100000296

SPECIFICATIONS

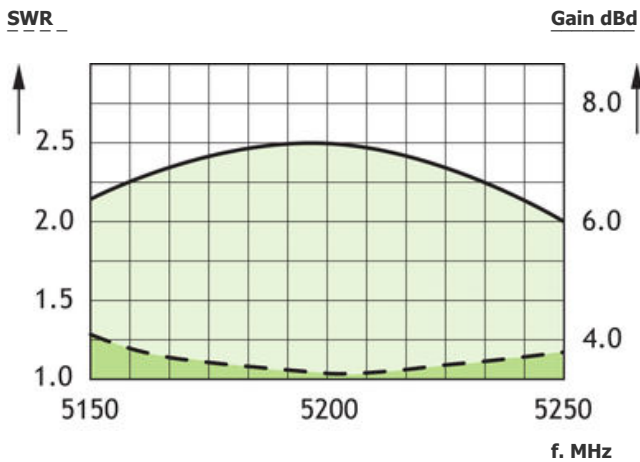
ELECTRICAL	
MODEL	CXL 5200-6LW
ANTENNA TYPE	Coaxial, colinear antenna, broad-banded
FREQUENCY	5150 - 5250 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	8 dBi 6 dBd
BANDWIDTH	≥ 100 MHz @ SWR ≤ 1.5
SWR	≤ 1.5
MAX. POWER	35 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30°C \rightarrow +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.009 m ²
WIND LOAD	Approx. 12 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
TOTAL HEIGHT	Approx. 530 mm
DIA. AT TOP END	13 mm
DIA. AT BOTTOM END	16 mm
WEIGHT	Approx. 520 g
MOUNTING	On 16 to 54 mm dia. mast tube

MULTI-PURPOSE MOUNTING BRACKET

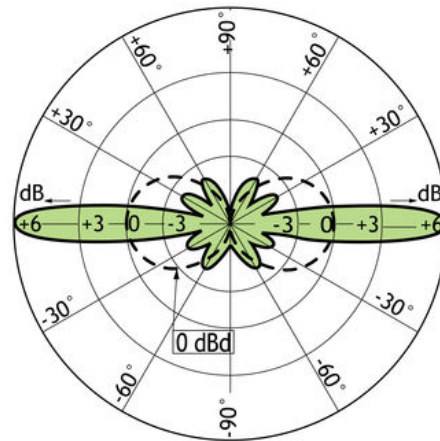


- ① Mast tube D_1 , min. = 30 mm
Mast tube D_0 , max. = 54 mm
- ② Mast tube D_0 , max. = 54 mm
Mast tube D_0 , min. = 16 mm
- ③ Mast tube D_0 , max. = 54 mm
Mast tube D_0 , min. = 16 mm

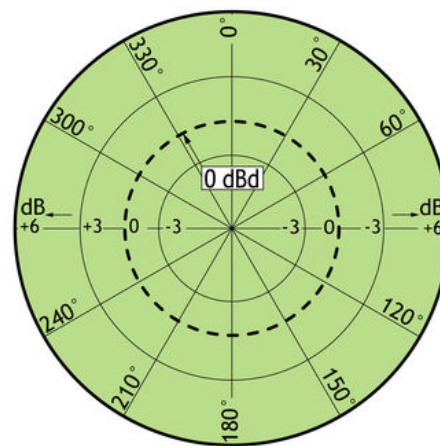
TYPICAL GAIN AND SWR CURVE



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM A/S reserve the right to amend specifications without prior notice.
25/03/2010