

CXL 2000-6LW/...

6 dBd Omnidirectional Base Station and Marine Antenna for the 2000 MHz Band

DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- Approximately 6 dBd gain.
- Provided with the sturdy "LW" mast mount – a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- The accompanying U-bolts and fittings are made of stainless steel.
- To be mounted on vertical or horizontal mast tubes, 16 to 54 mm in outer diameter.
- The cable can be led either on the outside or along the inside of the mast tube.
- 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 2000-6LW/... is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



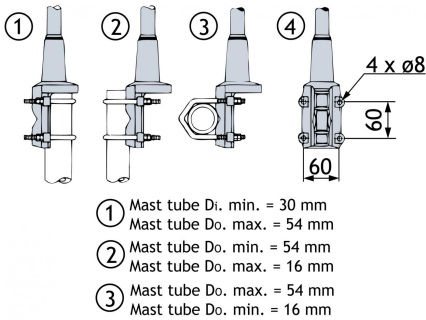
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
CXL 2000-6LW/l	100000193	1900 – 2050 MHz
CXL 2000-6LW/m	100000194	2000 – 2150 MHz
CXL 2000-6LW/h	110000297	2100 – 2200 MHz

SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 2000-6LW/...
ANTENNA TYPE	Coaxial, collinear antenna, broadbanded
FREQUENCY	Models within 1900 – 2200 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	8 dBi 6 dBd
BANDWIDTH	≥ 150 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. 0.033 m²
WIND LOAD	Approx. 42 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 1.2 m
DIA. IN TOP END	21 mm
DIA. IN BOTTOM END	23 mm
WEIGHT	Approx. 800 g
MOUNTING	On 16 to 54 mm dia. mast tube

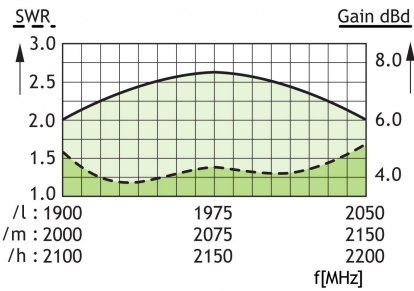
MULTI-PURPOSE MOUNTING BRACKET



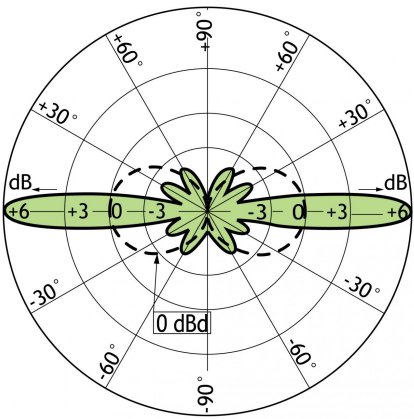
PLEASE NOTE

The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.

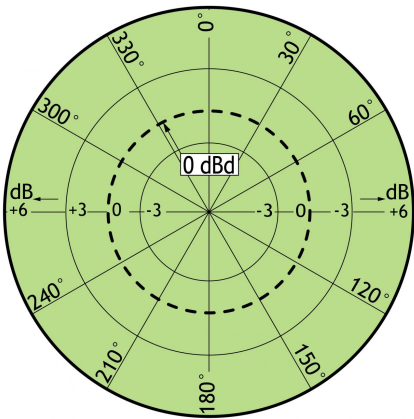
TYPICAL GAIN AND SWR CURVES



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.
31/10/11