# 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.



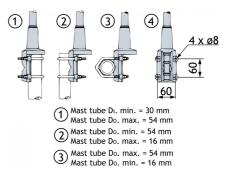
#### ORDERING DESIGNATIONS

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

#### SPECIFICATIONS

MODELCXL 2000-6LW/ANTENNA TYPECoaxial, collinear antenna, broadbandedFREQUENCYModels within 1900 – 2200 MHzIMPEDANCENom. 50 ΩPOLARIZATIONVerticalGAIN8 dBi 6 dBdBANDWIDTH≥ 150 MHz @ SWR ≤ 2.0SWR≤ 2.0, typ. ≤ 1.5MAX. POWER100 WANTISTATIC PROTECTIONAll metal parts DC-grounded (connector shows a DC-short)TEMP. RANGE-30°C + 71°CCONNECTORAlprox. 0.033 m²WIND SURFACEApprox. 42 N @ 160 km/hOLOURApprox. 42 N @ 160 km/hCOLOURMarine whiteMATERIALSShoud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Camps: Stainless steelTOTAL HEIGHTApprox. 1.2 mDIA. IN TOP END21 mmVEIGHTApprox. 800 gMOUNTING0n 16 to 54 mm dia. mast tube	ELECTRICAL		
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    YUND SURFACE Algor A - 470 °C   CONNECTOR Algor A - 470 °C   VIND SURFACE Approx.0033 m <sup>2</sup> VIND LOAD Approx.042 N @ 160 km/h   COLOUR Marine white   MATERIALS Shoud: Polyurethane-coated glass fibre poxy-coated clamps: stainless steel   TOTAL HEIGHT Approx.1.2 m   DIA. IN TOP END 21 mm   DIA. IN BOTTOM END 3 mm   WEIGHT Approx.800 g	MODEL	CXL 2000-6LW/	
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DIA. IN BOTTOM END 23 mm WEIGHT Approx. 800 g	TOTAL HEIGHT	Approx. 1.2 m	
WEIGHT Approx. 800 g	DIA. IN TOP END	21 mm	
	DIA. IN BOTTOM END	23 mm	
MOUNTING On 16 to 54 mm dia. mast tube	WEIGHT	Approx. 800 g	
	MOUNTING	On 16 to 54 mm dia. mast tube	

### MULTI-PURPOSE MOUNTING BRACKET

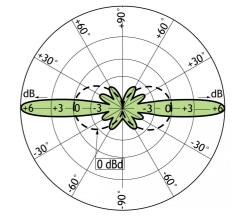


#### PLEASE NOTE

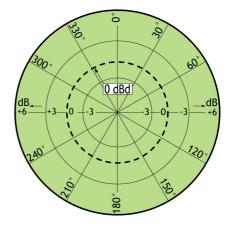
The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.



TYPICAL 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



