## 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.



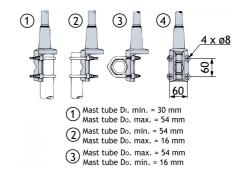
#### ORDERING DESIGNATIONS

ТҮРЕ	PRODUCT NO.
CXL 5200-6LW	100000296

#### SPECIFICATIONS

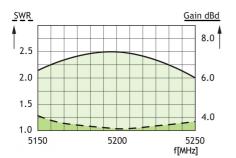
MODEL CXL 5200-6LW   ANTENNA TYPE Coaxial, collinear antenna, broad-banded   FREQUENCY 5150 - 5250 MHz   IMPEDANCE Nom. 50 Ω   POLARIZATION Vertical   GAIN 8 dBi 6 dBd   BANDWIDTH ≥ 100 MHz @ SWR ≤ 1.5   SWR ≤ 1.5   MAX. POWER 35 W   ANTISTATIC PROTECTION All metal parts DC-grounded (Connector shows a DC-short)   MECHANICAL Vertical   TEMP. RANGE -30°C > +70°C   CONNECTOR N-female   WIND SURFACE Approx. 0.009 m²   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	ELECTRICAL	
FREQUENCY5150 - 5250 MHzIMPEDANCENom. 50 $\Omega$ POLARIZATIONVerticalGAIN8 dBi 6 dBdBANDWIDTH $\geq$ 100 MHz @ SWR $\leq$ 1.5SWR $\leq$ 1.5MAX. POWER35 WANTISTATIC PROTECTIONAll metal parts DC-grounded (Connector shows a DC-short)MECHANICALTEMP. RANGE $-30^{\circ}C \rightarrow +70^{\circ}C$ CONNECTORN-femaleWIND SURFACEApprox. 0.009 m²WIND LOADApprox. 12 N @ 160 km/hCOLOURMarine whiteMATERIALSShroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brassTOTAL HEIGHTApprox. 530 mmDIA. AT TOP END16 mmWEIGHTApprox. 520 g		CXL 5200-6LW
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· · · · · · · · · · · · · · · · · · ·	DIA. AT BOTTOM END	16 mm
MOUNTING On 16 to 54 mm dia. mast tube	WEIGHT	Approx. 520 g
	MOUNTING	On 16 to 54 mm dia. mast tube

#### MULTI-PURPOSE MOUNTING BRACKET

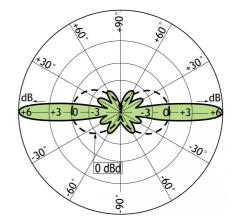




TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)





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