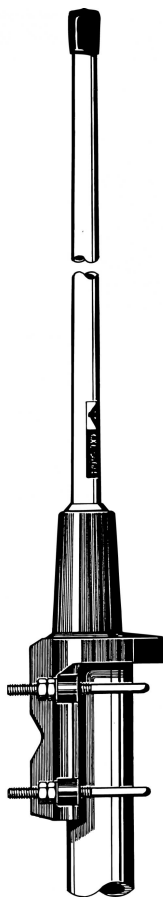


CXL 900-3LW-NB/868 MHz

Universal, 3 dBd Omnidirectional Base Station and Marine Antenna for the 900 MHz Band

DESCRIPTION

- CXL 900-3LW-NB/868 MHz is a narrow-band 3 dBd, vertically polarized, omnidirectional base station and marine antenna.
- The phasing of the radiating elements is adjusted to yield maximum gain in the horizontal plane, with the level of the side lobes reduced to a minimum.
- 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.
- To substantially reduce noise caused by atmospherical discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- The CXL 900-3LW-NB/868 MHz is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



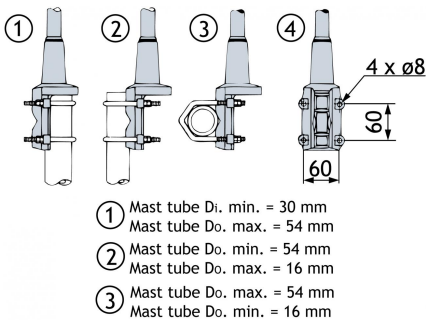
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 900-3LW-NB/868 MHz	110000338

SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 900-3LW-NB/868 MHz
ANTENNA TYPE	Collinear, narrow-band
FREQUENCY	860 – 880 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	5 dBi 3 dBd
HALF POWER BEAMWIDTH	30°
BANDWIDTH	20 MHz
SWR	≤ 2.0 ≤ 1.5 @ centre frequency ±2 MHz
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. 0.035 m ² / 0.38 ft ²
WIND LOAD	46 N @ 160 km/h / 46 N @ 100 mph.
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 1200 mm / 47.24 in.
DIA. TOP END	23 mm / 0.91 in.
DIA. BOTTOM END	23 mm/ 0.91 in.
WEIGHT	Approx. 900 g / 1.98 lb.
MOUNTING	On 16 to 54 mm dia. mast tube / 0.63 to 2.13 in. dia. mast tube

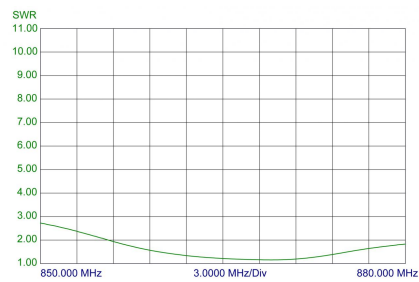
MULTI-PURPOSE MOUNTING BRACKET



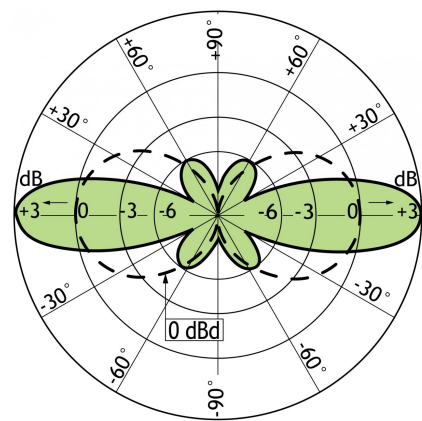
PLEASE NOTE

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

TYPICAL SWR CURVE



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.
14/01/15