G-CXL 2400-1LW/...

0 dBd Omnidirectional Base Station and Marine Antenna for the 2400 MHz Band. Designed for defense units.

DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- Provided with the sturdy "LW" mast mount – a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- 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.
- The G-CXL 2400-1LW/... is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.
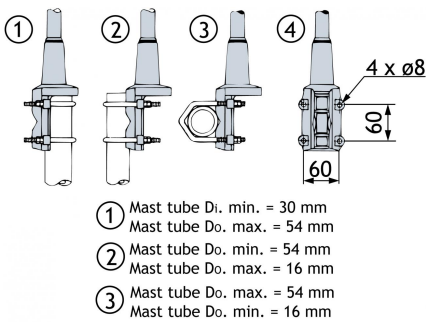
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
G-CXL 2400-1LW/l	100000273	2300 – 2500 MHz
G-CXL 2400-1LW/m	100000274	2400 – 2600 MHz
G-CXL 2400-1LW/h	100000275	2500 – 2700 MHz

SPECIFICATIONS

ELECTRICAL	
MODEL	G-CXL 2400-1LW/...
ANTENNA TYPE	Coaxial, collinear antenna, broadbanded
FREQUENCY	Models within 2300 – 2700 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	≥ 100 MHz @ SWR ≤ 1.5
SWR	≤ 2.0, typ. ≤ 1.5
MAX. POWER	100 W
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.02 m²
WIND LOAD	Approx. 26 N @ 160 km/h
COLOUR	Green
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 400 mm
DIA. IN TOP END	14 mm
DIA. IN BOTTOM END	16 mm
WEIGHT	Approx. 400 g
MOUNTING	On 16 to 54 mm dia. mast tube

MULTI-PURPOSE MOUNTING BRACKET

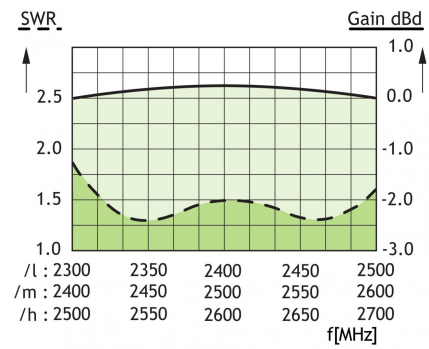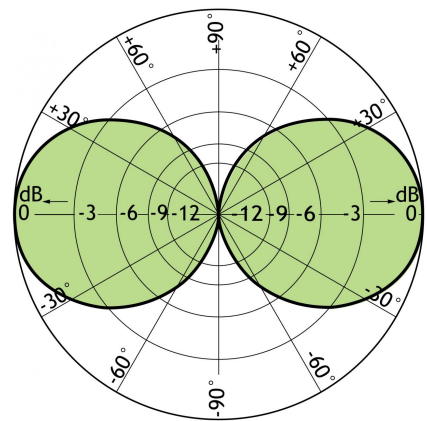|	
①	Mast tube Dᵢ. min. = 30 mm Mast tube Dₒ. max. = 54 mm
②	Mast tube Dₒ. min. = 54 mm Mast tube Dₒ. max. = 16 mm
③	Mast tube Dₒ. max. = 54 mm Mast tube Dₒ. min. = 16 mm

PLEASE NOTE

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

PROCOM

TYPICAL GAIN AND SWR CURVES

SWR					Gain dBd
/l : 2300	2350	2400	2450	2500	
/m : 2400	2450	2500	2550	2600	
/h : 2500	2550	2600	2650	2700	

f[MHz]

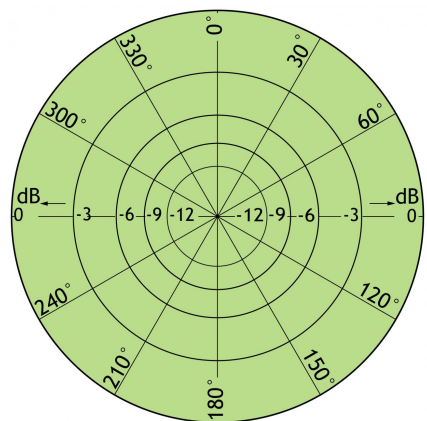## TYPICAL RADIATION PATTERN (E-PLANE)

TYPICAL RADIATION PATTERN (H-PLANE)

PROCOM France S.A.R.L. se réserve le droit
d'améliorer les spécifications sans préavis.

11/11/11

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