G-CXL 225-450C

Unity Gain, Broad-Banded Base Station Antenna for 225 – 450 MHz. Designed for defense units.

DESCRIPTION

- G-CXL 225-450C is a 0 dBd gain, omnidirectional base station antenna.
- The antenna is extremely broad-banded and covers the complete band: 225 – 450 MHz.
- G-CXL 225-450C is designed for fixation on supporting tubes with outer diameter between 27 mm and 65 mm.
- The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube.
- A glass fibre tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates.
- Atmospherical discharges are immediately led to ground as all metal parts are DC-grounded (consequently, the antenna shows a DC-short across the coaxial cable).
- This antenna is used where reliability is of utmost importance. A long lifetime has been taken into consideration when designing this antenna – it is sturdy and strong.

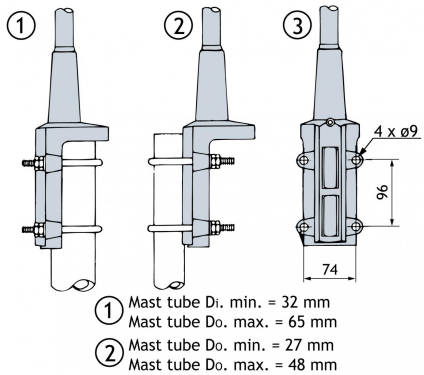
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
G-CXL 225-450C	100000268

SPECIFICATIONS

ELECTRICAL		
MODEL	G-CXL 225-450C	
ANTENNA TYPE	Coaxial, broad-band dipole	
FREQUENCY	Covering: 225 – 450 MHz	
IMPEDANCE	Nom. 50 Ω	
RADIATION	Omnidirectional	
POLARIZATION	Vertical	
GAIN	225 - 385 MHz	: 0 dBd ± 1.5 dB
	385 - 410 MHz	: - 6 dBd ± 1 dBd
	410 - 450 MHz	: 0 dBd ± 1.5 dB
BANDWIDTH	225 MHz	
SWR	≤ 2.5, typ. ≤ 2.0	
MAX. POWER	200 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	0.056 m²	
WIND LOAD	85 N @ 175 km/h / 109 mph	
MAX. WIND SPEED	200 km/h / 125 mph	
COLOUR	Green	
MATERIALS	Radome : Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, black Clamps: Stainless steel	
TOTAL HEIGHT	Approx. 1.20 m	
WEIGHT	Approx. 3.0 kg	
MOUNTING	On 27 - 65 mm dia. mast tube	

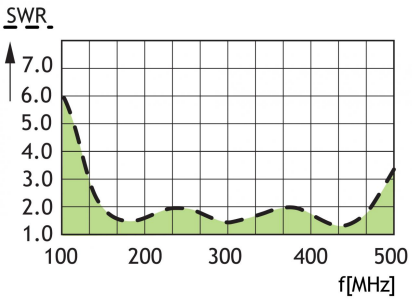
MULTI-PURPOSE MOUNTING BRACKET



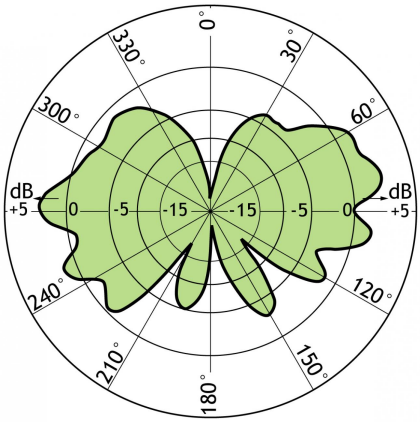
① Mast tube D_i. min. = 32 mm
Mast tube D_o. max. = 65 mm

② Mast tube D_o. min. = 27 mm
Mast tube D_o. max. = 48 mm

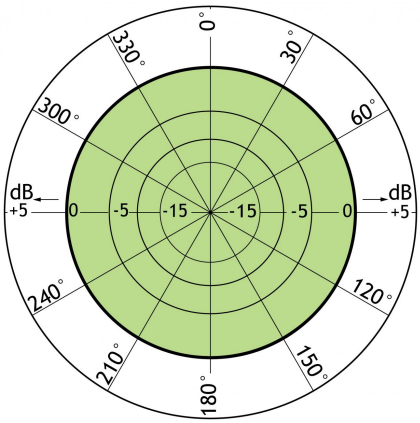
TYPICAL SWR CURVES



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.

14/11/14