

CXL 2/70C

Dual-frequency, Base Station Antenna
for the 160 MHz and 450 MHz Bands

PROCOM

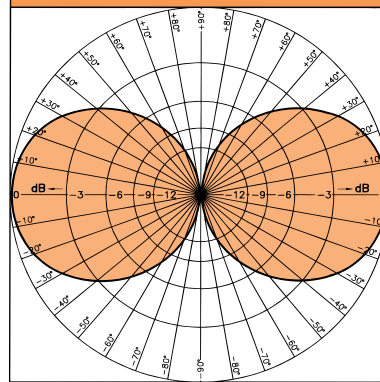
DESCRIPTION:

- ★ CXL 2/70C is a dual-frequency base station antenna - two bands with only one antenna.
- ★ This antenna makes it possible to:
 - operate 160 and 450 MHz transceivers alternately on the same antenna
 - operate two transceivers (160 and 450 MHz) at the same time on one antenna using a diplexer (type DIPX 225/330 - must be ordered separately).
- ★ CXL 2/70C 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.
- ★ Atmospheric discharges are immediately led to ground as all metal parts are DC-grounded (consequently, the antenna shows a DC-short across the coaxial cable).

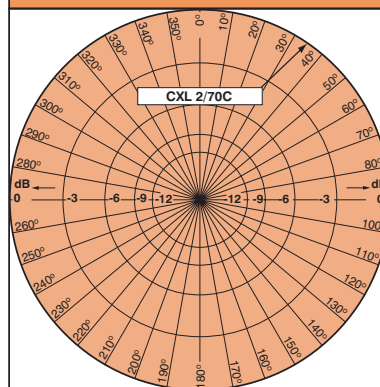
SPECIFICATIONS:

ELECTRICAL	
MODEL	CXL 2/70C
ANTENNA TYPE	Coaxial, dual-frequency base station antenna
FREQUENCY	160 MHz-band freq. to be stated within: 144-175 MHz 450 MHz-band freq. to be stated within: 380-470 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARISATION	Vertical
GAIN	Approx. 2 dBi 0 dBd
BANDWIDTH	160 MHz: ≥ 8 MHz at SWR 2.0 450 MHz: ≥ 20 MHz at SWR 2.0
SWR	≤ 1.5 at f. res. in both bands
MAX. POWER	100 watt (for each band)
ANTISTATIC PROTECTION	All metal parts DC-grounded (connector shows a DC-short)
MECHANICAL	
CONNECTOR	N-female
WIND SURFACE	0.067 m ²
WIND LOAD	75 N (at v = 150 km/h)
COLOUR	Marine white
MATERIALS	Radome: Polyurethane coated fiberglass Mounting bracket : Seawater resistant aluminium, epoxy-coated
TOTAL HEIGHT	Approx. 1.3 m
WEIGHT	Approx. 2.5 kg
MOUNTING	On 27-65 mm dia. mast tube

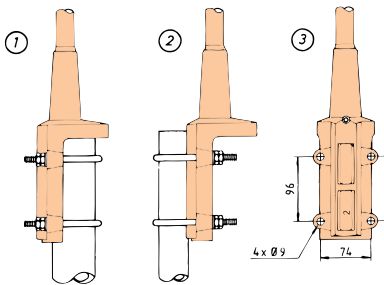
TYPICAL RADIATION PATTERN (E-PLANE)



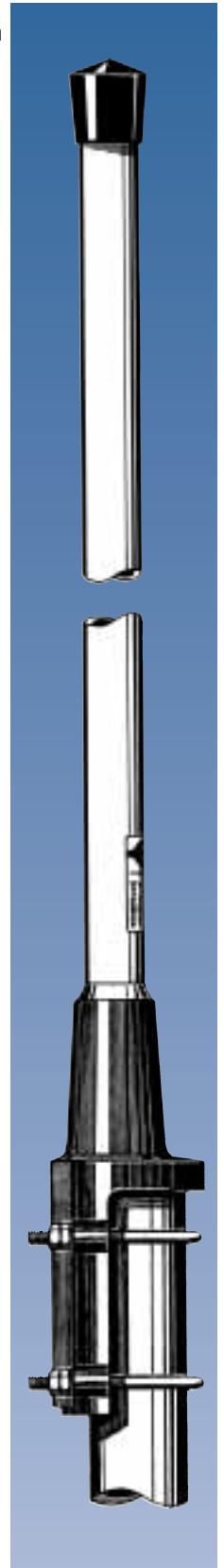
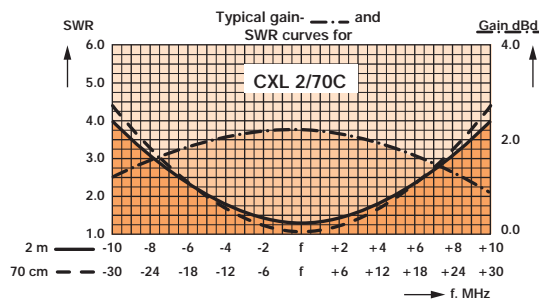
TYPICAL RADIATION PATTERN (H-PLANE)



MULTI-PURPOSE MOUNTING BRACKET:



- ① Mast tube D_i min. = 32 mm
Mast tube D_o max. = 65 mm
- ② Mast tube D_o max. = 42 mm
Mast tube D_o min. = 27 mm



ORDERING:

The antenna is delivered factory-tuned to two single frequencies or two frequency-bands. These two frequencies (stated in MHz) must be specified when ordering.

PROCOM A/S reserve the right to amend specifications without prior notice.