

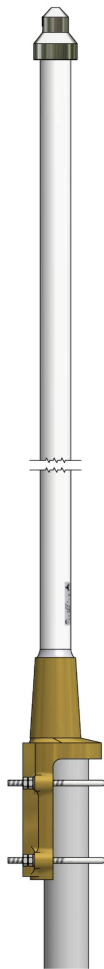
CXL 2-3C/167-174 MHz-PT

3 dBd, Omnidirectional lightning protected Base Station Antenna for 167 - 174 MHz

PRELIMINARY DATA SHEET

DESCRIPTION

- CXL 2-3C/167-174 MHz-PT is a sturdy, 3 dBd, vertically polarized, omnidirectional base station antenna, covering 167 - 174 MHz.
- The antenna is provided with our "C" mast bracket, which is a universal, epoxy-coated mounting bracket made of non-corrosive aluminium. The accompanying U-bolts and fittings are made of stainless steel.
- The antenna can be mounted on 27 to 65 mm dia. mast tubes and it is possible to lead the cable either along the inside or on the outside of the mast tube.
- The antenna element is completely enclosed in a glass fibre shroud, ensuring undisturbed performance in all climates.
- 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.
- This antenna is constructed to ensure long dependable service in all climates.



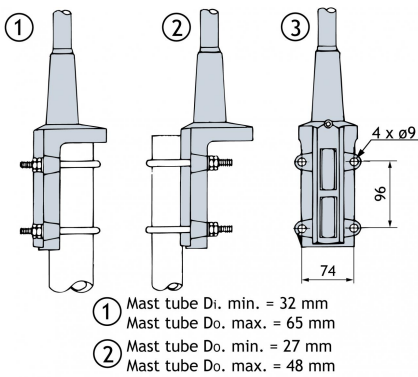
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 2-3C/167-174 MHz-PT	100000519

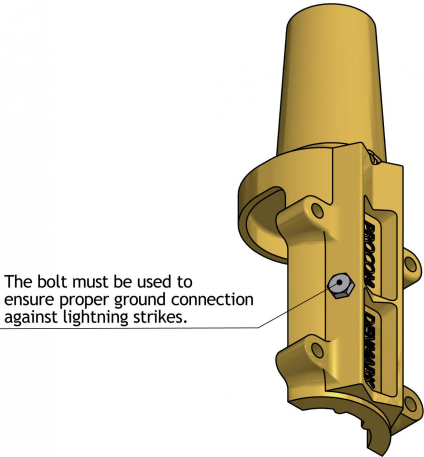
SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 2-3C/167-174 MHz-PT
ANTENNA TYPE	½ λ coaxial dipole
FREQUENCY	167 - 174 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	5 dBi 3 dBd
BANDWIDTH	7 MHz
SWR	≤ 1.75
MAX. POWER	150 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	0.117 m² / 1.26 ft²
WIND LOAD	137 N @ 160 km/h / 99.42 mph.
MAX. WIND SPEED	200 km/h / 125 mph.
COLOUR	Marine white
MATERIALS	Radome : Polyurethane-coated glass fibre Mounting bracket : Seawater resistant aluminium, epoxy-coated
TOTAL HEIGHT	Approx. 2.8 m / 110.24 in.
WEIGHT	Approx. 5.0 kg / 11.02 lb.
MOUNTING	On 27 - 65 mm / 1.06 - 2.56 in. dia. mast tube

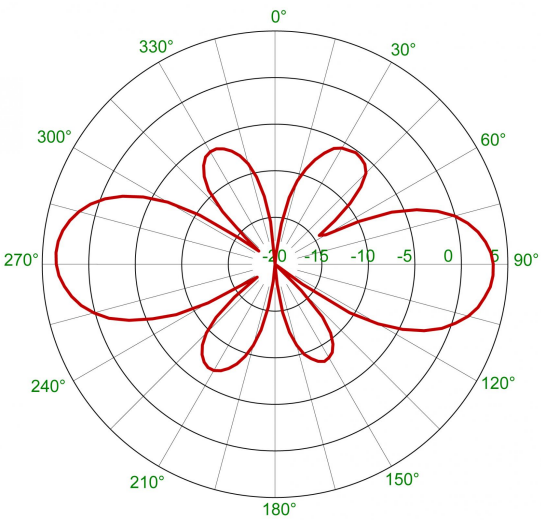
MULTI-PURPOSE MOUNTING BRACKET



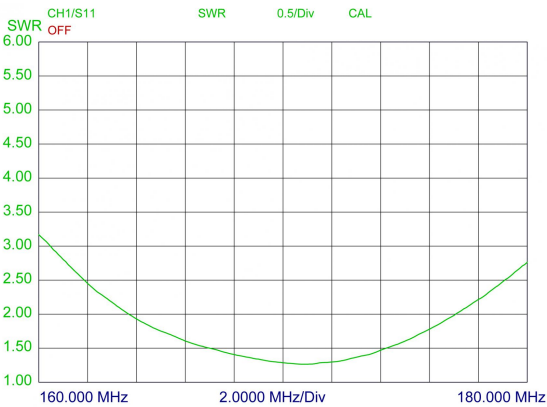
MOUNTING DESCRIPTION FOR GROUND CONNECTION



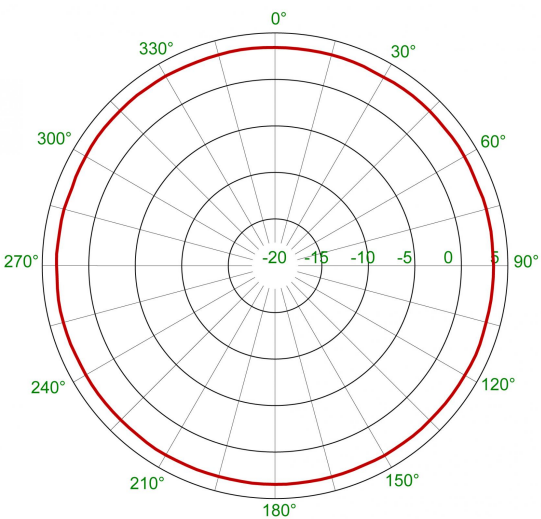
TYPICAL RADIATION PATTERN (E-PLANE)




TYPICAL SWR CURVES



TYPICAL RADIATION PATTERN (H-PLANE)



 PROCOM A/S reserve the right to amend specifications without prior notice.
11/02/15