



CXL 225-450C

UNITY GAIN, BROAD-BANDED BASE STATION ANTENNA FOR 225 - 450 MHz

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Unity Gain, Broad-Banded Base Station Antenna for 225 - 450 MHz

- > 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.

DESCRIPTION

- > 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.
- > 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).
- > 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.
CXL 225-450C	100000088



SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 225-450C
ANTENNA TYPE	Coaxial, broad-band dipole
FREQUENCY	Covering: 225 - 450 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	0 dBd (see curve)
BANDWIDTH	225 MHz
SWR	\leq 2.5, typ. \leq 2.0
MAX. POWER	200 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)

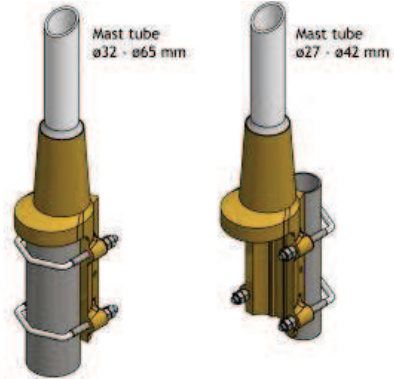


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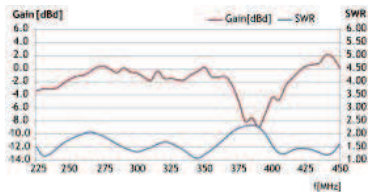
UNITY GAIN, BROAD-BANDED BASE STATION ANTENNA FOR 225 - 450 MHZ

MECHANICAL	
TEMP. RANGE	-30° C ÷ 70° C
CONNECTOR	N-female
WIND SURFACE	0.056 m ²
WIND LOAD	85 N @ 175 km/h / 109 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. 1.20 m
WEIGHT	Approx. 3.0 kg
MOUNTING	On 27 - 65 mm dia. mast tube

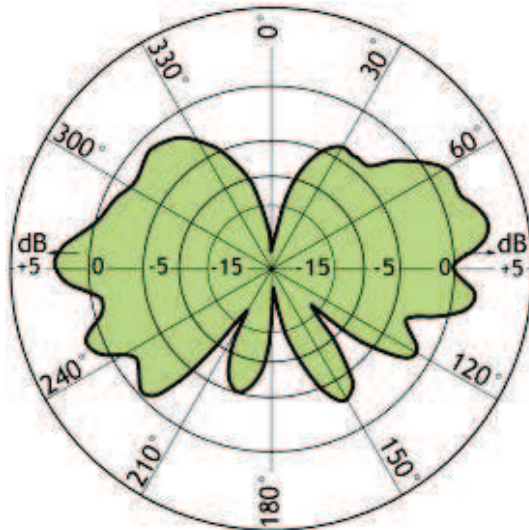
MULTI-PURPOSE MOUNTING BRACKET



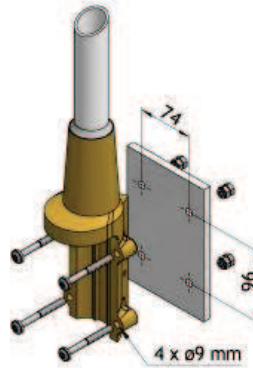
TYPICAL GAIN AND SWR CURVES

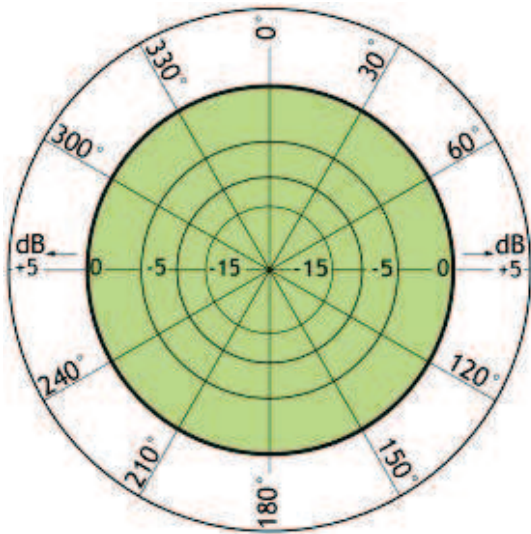


TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)





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