

## CXL 174-240C

0 dBd, Broad-Band Base Station and Marine Antenna for 174 - 240 MHz

- CXL 174-240C is a 0 dBd gain, omnidirectional base station and marine antenna.
- The antenna is extremely broad-banded and covers the complete band: 174-240 MHz.

### DESCRIPTION

- CXL 174-240C 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 174-240C	Contact for availability

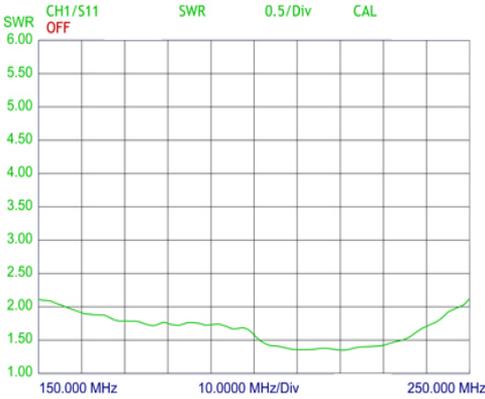


### SPECIFICATIONS

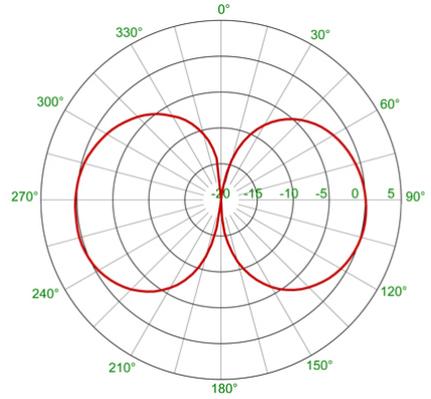
ELECTRICAL	
MODEL	CXL 174-240C
ANTENNA TYPE	Coaxial, broad-band dipole
FREQUENCY	Covering: 174 - 240 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	Approx. 0 dBd (see gain curve)
BANDWIDTH	66 MHz
SWR	≤ 2.0
MAX. POWER	40 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
HCM CODE	HCM000ND00, 040DE00

MECHANICAL	
CONNECTOR	N-female
WIND SURFACE	0.051 m <sup>2</sup> / 0.67 feet <sup>2</sup>
WIND LOAD	64 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. 1.25 m / 49.21 in.
WEIGHT	Approx. 2.5 kg / 5.51 lb.
MOUNTING	On 27 - 65 mm / 1.06 - 2.56 in. dia. mast tube
ENVIRONMENTAL	
TEMP. RANGE	-30° C → +70° C
IP RATING	IP 56

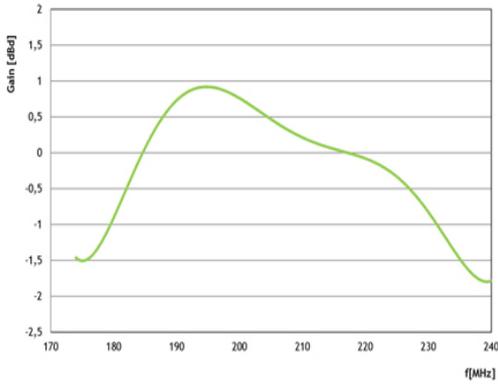
TYPICAL SWR CURVE



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL GAIN CURVE



MULTI-PURPOSE MOUNTING BRACKET

