

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

DESCRIPTION

- 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.
- 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.



SPECIFICATIONS

Electrical	
Model	CXL 174-240C
Frequency	Covering : 174 - 240 MHz
Antenna Type	Coaxial dipole, broad-banded
Max. Input Power	40 W
Polarisation	Vertical
Pattern Type	Omnidirectional
3 dB Beamwidth, E-Plane	80 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	Approx. 0 dBd (see gain curve)
VSWR	< 2.0:1
Bandwidth	66 MHz
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	HCM000ND00, 040DE00

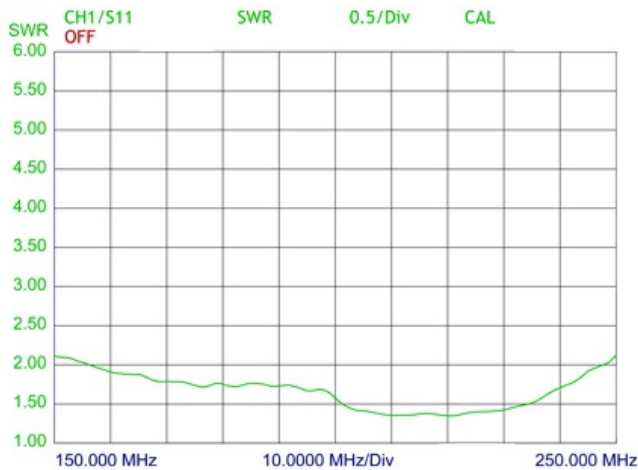
Mechanical	
Connection(s)	N(f)
Materials	Radome : Polyurethane-coated glass fibre Mounting bracket : Seawater resistant aluminium, epoxy-coated
Colour	White (RAL 9003)
Wind Area	0.051 sq. m / 0.55 sq. ft
Wind Load	64 N (160 km/h)
Height	Approx. 1250 mm / 49.21 in.
Weight	Approx. 2.5 kg / 5.51 lb.
Mounting	On 27 - 65 mm / 1.02 - 2.56 in. dia. mast tube

Environmental	
Operating Temperature Range	-30 °C to +70 °C
Survival Wind Speed	200 km/h
Ingress Protection	IP56

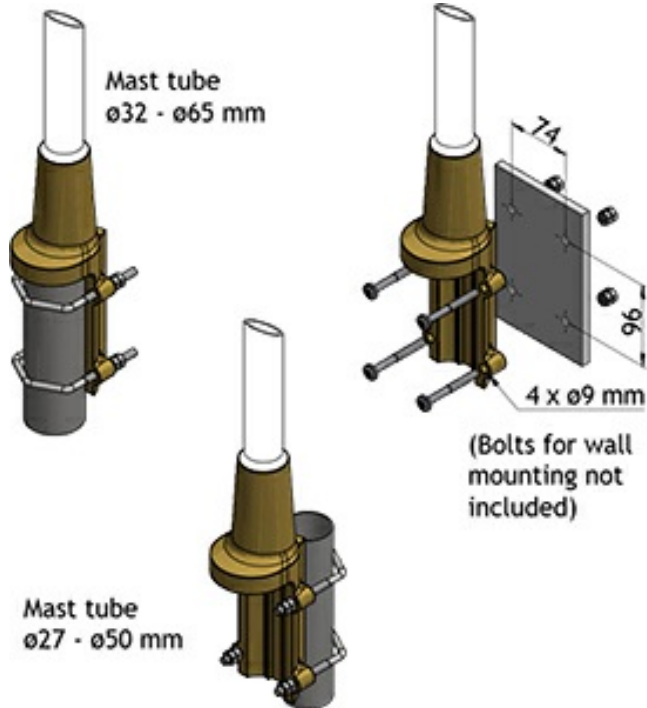
ORDERING

Model	Product No.
CXL 174-240C	Contact for availability

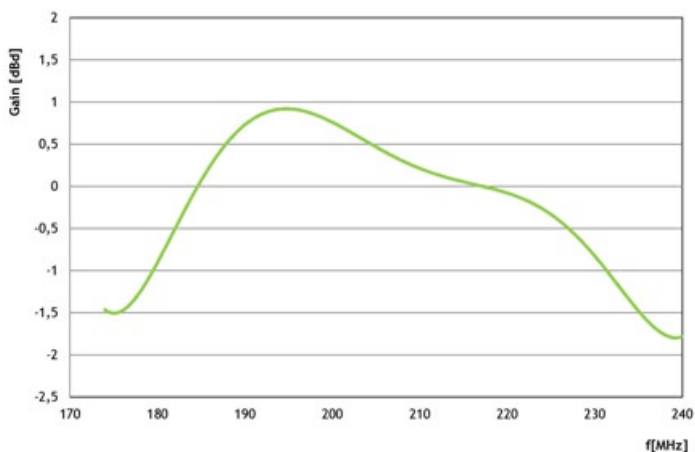
TYPICAL VSWR CURVE



MULTI-PURPOSE MOUNTING BRACKET



TYPICAL GAIN CURVE



TYPICAL RADIATION PATTERN (E-PLANE)

