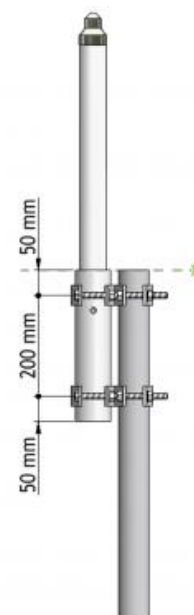


colinear, 3 dBd Base Station Antenna for the 700 MHz Band

DESCRIPTION

- CXL 700-3SL is a 3 dBd, vertically polarized, omnidirectional base station antenna covering the 746 – 807 MHz band.
- The antenna is designed especially for high power of max. 500 W.
- The antenna is provided with our type "SL" (slim line) mast mount which is a multipurpose mounting tube made of non-corrosive aluminium. The accompanying clamp set and fittings are made of hot galvanized steel.
- CXL 700-3SL can be mounted on 33 to 70 mm dia. mast tubes.
- The carefully designed radiating element is sealed in a high-quality, conical glass fibre tube with low wind load ensuring performance undisturbed by corrosive environments.
- 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.
- The exceptional mechanical capabilities of this antenna ensure long dependable service in all environments.

★ The top of the mounting SL tube must be in alignment with the top of the mast.



SPECIFICATIONS

Electrical	
Model	CXL 700-3SL
Frequency	746 - 807 MHz
Antenna Type	Collinear, broad-band
Max. Input Power	500 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	30 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	3 dBd (5.2 dBi)
VSWR	< 1.5:1
Bandwidth	61 MHz
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	

Mechanical	
Connection(s)	N(f)
Materials	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
Colour	White (RAL 9003)
Wind Area	0.033 sq. m / 0.36 sq. ft
Wind Load	38 N (160km/h)
Height	800 mm / 31.50 in.
Weight	5.0 kg / 11.02 lb
Mounting	On 33 - 70 mm dia. mast tube

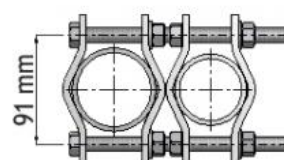
Environmental	
Operating Temperature Range	-30°C to +70°C

ORDERING

Model	Product No.	Frequency
CXL 700-3SL	100000475	746 - 807 MHz

DIAGRAM

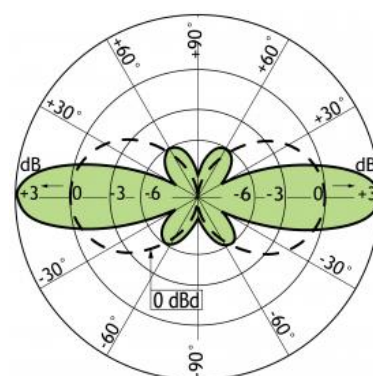
PROCOM CLAMP SET (INCLUDED)



TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

