Unity Gain Base Statin and Marine 5700 MHz Antenna for Mounting on Threaded 1

DESCRIPTION

- The CXL 5700-1/… is a 0 dBd, vertically polarized, omnidirectional rod-type base station and marine antenna for the 5700 MHz band.
- The 1" revolving nut mounting system is standard throughout the marine sector, and several different mounting brackets are available, making it possible to install the antenna either on the masthead using FLG or SMR 2, side-mounted on the mast (SMR 1) or mounted on a cross-beam (FLG). Also, the antenna can be mounted on deck or rooftop by means of the FLG.
- The higher the antenna is mounted, the better coverage. Avoid mounting the antenna parallel to or in the neighbourhood of other metal parts, such as masts, supporting wires etc., otherwise the SWR and the radiation pattern may be strongly influenced.
- A conical glass fibre tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates.

SPECIFICATIONS

Electrical	
Model	CXL 5700-1/...
Frequency	Models within 5150 - 5900 MHz
Antenna Type	Coaxial dipole, broad-banded
3 dB Beamwidth, H-Plane	Omnidirectional
Polarisation	Vertical
3 dB Beamwidth, E-Plane	80 °
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
Maximum Input Power	100 W
HCM Code(s)	

Mechanical	
Wind Area	0.006 sq. m / 0.06 sq. ft
Connection(s)	N(f)
Materials	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
Colour	White (RAL 9003)
Height	230 mm / 9.06 in.
Wind Load	8 N (160km/h)
Dia. At Top End	14 mm / 0.55 in.
Weight	0.18 kg / 0.40 lb
Dia. At Bottom End	16 mm / 0.63 in.
Mounting	On 1" RG (G1" - 11) threaded water pipe or on optional mounting brackets (see accessories)

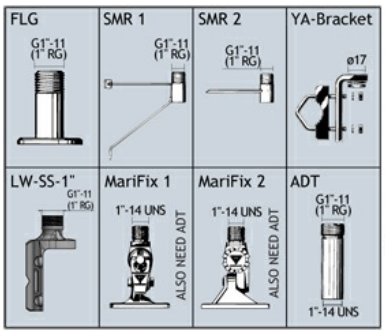
Environmental	
Operating Temperature Range	-30°C to +70°C

ORDERING

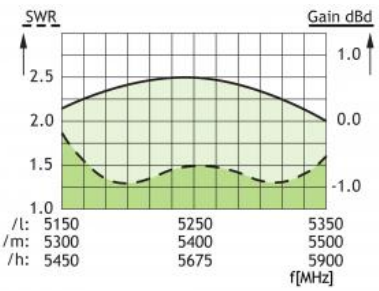
Type	Product No.	Frequency
CXL 5700-1/l	100000285	5150 - 5350 MHz
CXL 5700-1/m	100000286	5300 - 5500 MHz
CXL 5700-1/h	100000198	5450 - 5900 MHz

DIAGRAM

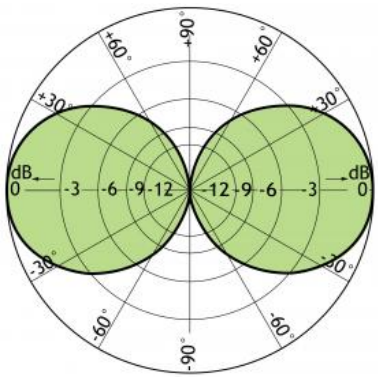
ACCESSORIES (to be ordered separately)



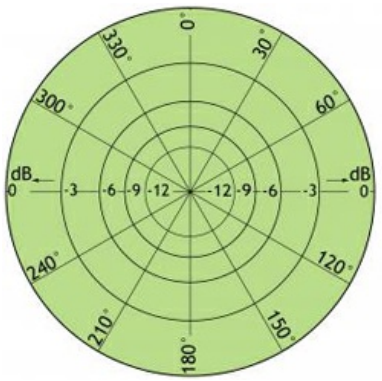
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)


0
30
60
120
150
180
210
240
300
330
dB
0
-3
-6
-9
-12
-12
-9
-6
-3
dB
0