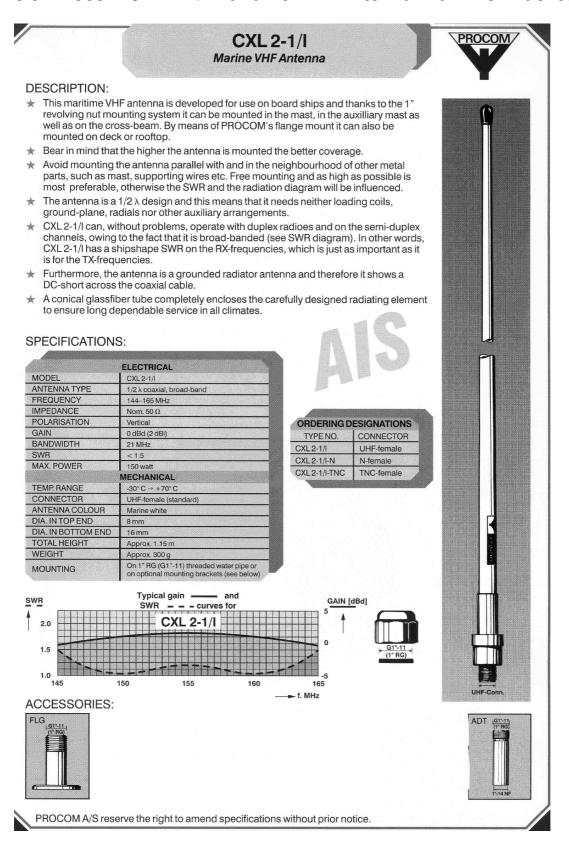


8.5 Procom CXL 2-1/I Maritime VHF Antenna with FLG Bracket





8.6 Procom GPS 4 Antenna

GPS 4/...

Active Receiving Antenna for the 1575 MHz NAVSTAR GPS Satellite Navigational System

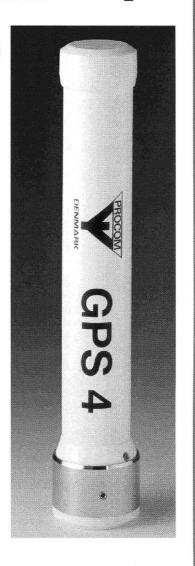


DESCRIPTION:

- Full hemispherical coverage due to quadrifilar helix antenna element.
- * Built-in high gain, low noise amplifier.
- ★ Input filter for thorough RF-overload protection.
- * Right-hand circular polarisation (RHCP).
- High rejection of cross-polarised reflections prevents fading caused by multipath propagation.
- ★ Choice between 5 V or 12 V supply voltage.
- ★ DC supply via RF-connector.
- ★ EMC tested to IEC 801 and IEC 255.
- ★ Total design carried out to make the antenna withstand tough environments.
- ★ Comprehensive range of accessory mounting brackets available.

SPECIFICATIONS:

G	eneral specifications
ANTENNA TYPE	Quadrifilar helix active antenna
FREQUENCY	1575 MHz
IMPEDANCE	Nom. 50 Ω
POLARISATION	Circular right-hand
COVERAGE	Hemispherical
GAIN (in axial direction)	> 32 dBi
CROSS- POLARISATION ATT.	> 10 dB
	Built-in amplifier
GAIN	> 30 dB
NOISE FIGURE	< 3 dB (incl. input filter). Typ. approx. 2.5 dB
1 dB COMPRESSION POINT	> 10 dBm
SELECTIVITY	> 20 dB down at ± 100 MHz
OUT OF BAND ATTENUATION	0.03- 1 GHz : > 40 dB down 2 -10 GHz : > 40 dB down
SWR (output)	< 2.0
SUPPLY VOLTAGE	GPS 4: 5±0.5 VDC GPS 4/12V: 9-15 VDC
CURRENT CONSUMPTION	Approx. 44 mA
EMC	Full protection (IEC 801, IEC 255)
	MECHANICAL
MATERIALS	Antenna dome: Weather-resistant low-loss plastic
ANTENNA COLOUR	Marine white
INSULATION	Connector ground terminal is galvanically insulated from the mounting hardware
WIND SURFACE	Approx. 0.0072 m ²
MAX. WIND SPEED	200 km/h
WIND LOAD	Approx: 9.6 N (at 150 km/h)
TEMP. RANGE	-30° C → + 70° C
CONNECTOR	FME-male (pin)
SUGGESTED DOWNLEAD CABLE	< 10 m : RG 58 > 10 m : RG 213
TOTAL HEIGHT	Approx. 23 cm
WEIGHT	Approx. 150 g
MOUNTING	On 1" water pipe or on PROCOM 1" mounting brackets (see accessories below)



MODEL SURVEY:

TYPE NO.	SUPPLY VOLTAGE
GPS4	5 V DC (4.5-5.5 V)
GPS 4/12 V	12 V DC (9-15 V)

ACCESSORIES:



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