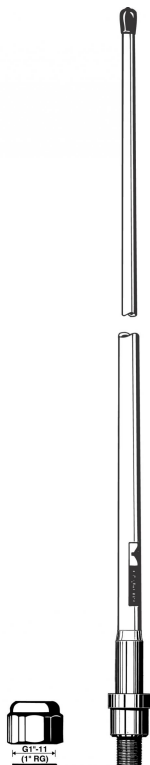


CXL 230-1/DAB

Base Station and Marine DAB Antenna

DESCRIPTION

- This 0 dBd omnidirectional base station and marine antenna covers the terrestrial DAB (Digital Audio Broadcast) Band.
- The antenna is a $\frac{1}{2} \lambda$ design and this means that it needs neither loading coils, ground-plane, radials nor other auxiliary arrangements.
- Avoid mounting the antenna parallel with and in the neighbourhood of other metal parts, such as masts, supporting wires etc. Free mounting and as high as possible is most preferable, otherwise the SWR and the radiation diagram will be influenced.
- Bear in mind that the higher the antenna is mounted the better coverage.
- Furthermore, the antenna is a grounded radiator antenna and therefore it shows a DC-short across the coaxial cable.
- A conical glass fibre tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates.



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 230-1/DAB	100000084

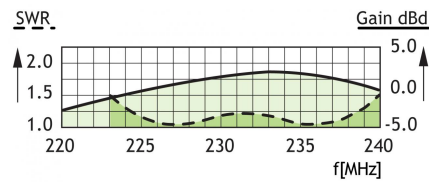
SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 230-1/DAB
ANTENNA TYPE	$\frac{1}{2} \lambda$ coaxial, broad-band
FREQUENCY	223 - 240 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	17 MHz
SWR	< 1.5
MAX. POWER	150 W
MECHANICAL	
TEMP. RANGE	-30° C \rightarrow +70° C
CONNECTOR	UHF-female
WIND SURFACE	0.024 m ²
WIND LOAD	30 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
TOTAL HEIGHT	Approx. 1.15 m
DIA. IN TOP END	8 mm
DIA. IN BOTTOM END	16 mm
WEIGHT	Approx. 300 g
MOUNTING	On 1" RG (G1" - 11) threaded water pipe or on optional mounting brackets (see below)

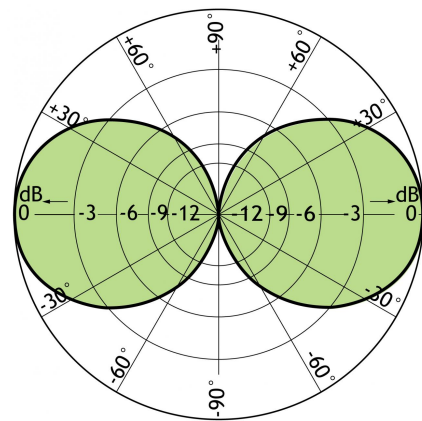
ACCESSORIES (to be ordered separately)

FLG G1"-11 (1" RG)	SMR 1 G1"-11 (1" RG)	SMR 2 G1"-11 (1" RG)	YA-Bracket ø17
LW 1" G1"-11 (1" RG)	MariFix 1 1"-14 NF ALSO NEED ADT	MariFix 2 1"-14 NF ALSO NEED ADT	ADT G1"-11 (1" RG) 1"-14 NF

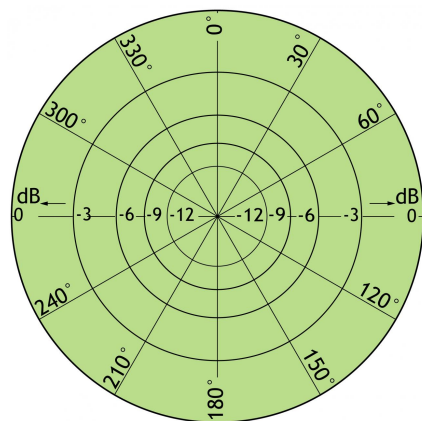
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM France S.A.R.L. se réserve le droit
d'améliorer les spécifications sans préavis.
03/12/13