

6 dBd Omdirectional Base Station and Marine Antenna  
for the DECT Band

DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- Approximately 6 dBd gain.
- The CXL 1800-6/DECT is especially suitable for the DECT band.
- To substantially reduce noise caused by atmospherical discharges, alle metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- Simple mounting using the 1" revolving nut system.
- Wide variety of accessory mounting brackets available.

SPECIFICATIONS

Electrical	
Model	1800-6/DECT
Frequency	1880 - 1900 MHz
Antenna Type	Coaxial, collinear antenna
3 dB Beamwidth, H-Plane	Omnidirectional
Polarisation	Vertical
3 dB Beamwidth, E-Plane	14 °
Impedance	50 Ω
Gain	6 dBd (8.2 dBi)
SWR	< 1.5:1
Maximum Input Power	100 W
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	

Mechanical	
Wind Area	0.03 sq. m / 0.32 sq. ft
Connection(s)	N(f)
Materials	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
Colour	White (RAL 9003)
Height	1150 mm / 45.28 in.
Wind Load	38 N (160km/h)
Dia. At Top End	21 mm / 0.83 in.
Weight	0.7 kg / 1.54 lb
Dia. At Bottom End	23 mm / 0.91 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

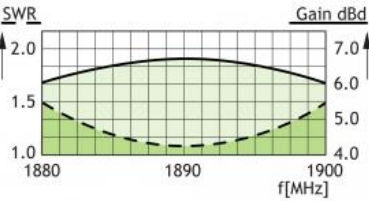
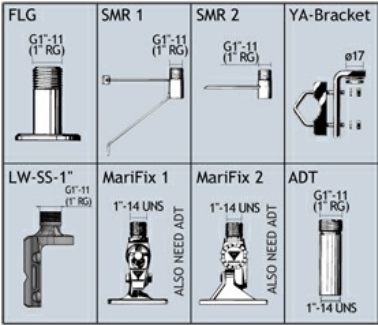
ORDERING

Type	Product No.
CXL 1800-6/DECT	100000189

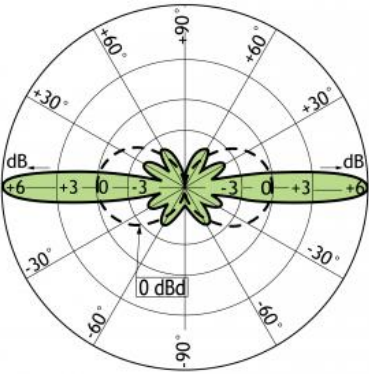


DIAGRAM

ACCESSORIES (to be ordered separately) TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

