

## 3 dBd Omnidirectional Base Station and Marine Antenna for the DECT Band

### DESCRIPTION

- > Vertically polarized, omnidirectional base station and marine antenna.
- > Approximately 3 dBd gain.
- > The CXL 1800-3/DECT is especially suitable for the DECT band.
- > To substantially reduce noise caused by atmospheric discharges, all 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	CXL 1800-3/DECT
Frequency	1880 - 1900 MHz
Antenna Type	Coaxial, collinear antenna
3 dB Beamwidth, H-Plane	Omnidirectional
Polarisation	Vertical
3 dB Beamwidth, E-Plane	30 °
Impedance	50 Ω
Gain	3 dBd (5.2 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	0.009 sq. m / 0.10 sq. ft
Connection(s)	N(f)
Materials	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
Colour	White (RAL 9003)
Height	630 mm / 24.80 in.
Wind Load	11 N (160km/h)
Dia. At Top End	12 mm / 0.47 in.
Weight	0.35 kg / 0.77 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

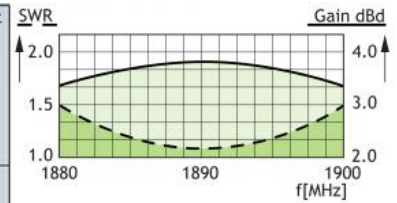
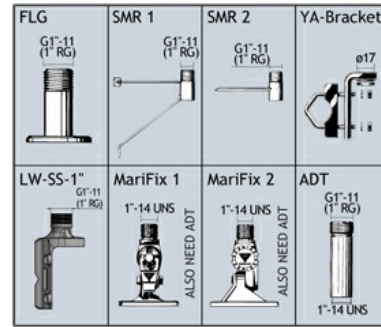
### ORDERING

Type	Product No.
CXL 1800-3/DECT	100000178

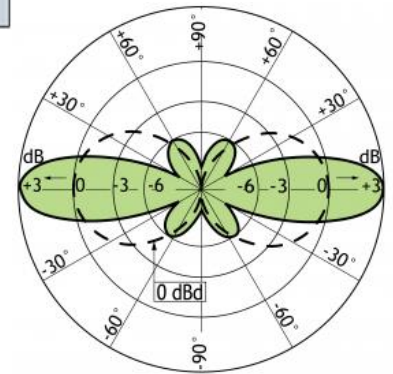


### DIAGRAM

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



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



