

Quadruple-Band Base Station and Marine Antenna for the 900 MHz, 1800 MHz, 1900 MHz and the 2000 MHz

DESCRIPTION

- Quadruple-Band base station and marine antenna – four bands with only one antenna.
- Covering both GSM/NMT-900, DCS-1800/PCN (GSM 900/1800) PCS-1900 and UMTS.
- Particularly suitable for use with triple-band mobile phones.
- Unity gain on all bands.
- Simple mounting using the 1" revolving nut system.
- Wide variety of accessory mounting brackets available.

SPECIFICATIONS

Electrical	
Model	CXL 900/1800/1900/UMTS
Frequency	800-960 MHz / 1710-1880 MHz / 1850-1990 MHz / 1900-2200 MHz (GSM 900/DCS-1800/PCS-1900/UMTS)
Antenna Type	Quadruple-Band base station and marine antenna
3 dB Beamwidth, H-Plane	Omnidirectional
Polarisation	Vertical
3 dB Beamwidth, E-Plane	80 °
Impedance	50 Ω
Gain	-2.2 dBd (0 dBi)
VSWR	GSM @ = 2.0:1 DCS-1800 @ = 2.0:1 PCS-1900 @ = 3.0:1 UMTS @ = 3.0:1
Maximum Input Power	100 W
HCM Code(s)	

Mechanical	
Wind Area	0.013 sq. m / 0.14 sq. ft
Connection(s)	N(f)
Materials	Shroud: Polyurethane-coated glass fibre Mounting bracket: Chromed brass
Colour	White (RAL 9003)
Height	450 mm / 17.72 in.
Wind Load	17 N (160km/h)
Dia. At Top End	21 mm / 0.83 in.
Weight	0.3 kg / 0.66 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
Survival Wind Speed	200 km/h
Ingress Protection	IP66

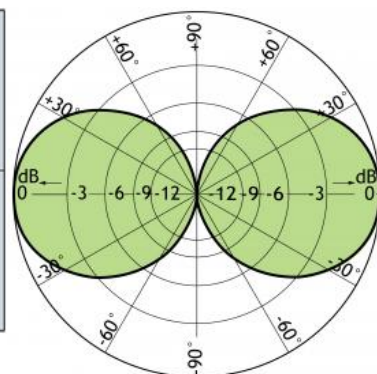
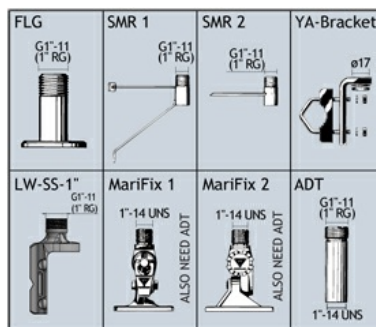
ORDERING

Type	Product No.
CXL 900/1800/1900/UMTS	110000230



DIAGRAM

ACCESSORIES (to be ordered separately) TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

