

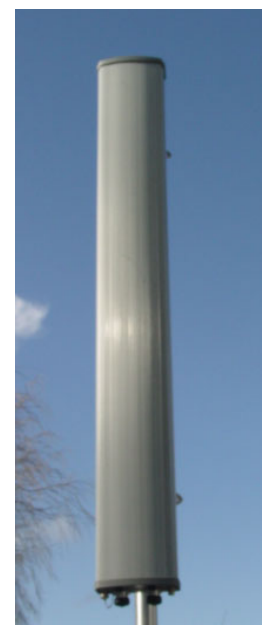


AQ65X0U15 AQUA Macrocell Panel 1920-2170MHz

65° Sector Cross Polarised
Singleband
Fixed Electrical Tilt
Flexible Mounting Capability
Slimline Profile
IP66 Standard
UMTS Applications

The AQ65X0U15 is a singleband antenna designed for macrocell UMTS sectored array applications. Emphasis has been placed on rugged mechanical construction, styling, small dimensions plus superior electrical performance. Brackets allow for flexible mounting arrangements

This New 3G AQUA product family is designed using the latest engineering techniques ensuring excellent electrical and mechanical performance



ELECTRICAL SPECIFICATIONS	AQ65X0U15
Frequency range	1920-2170 MHz
Gain	18.4 dBi
VSWR (Typical)	<1.4:1
Polarisation	Dual Linear $\pm 45^\circ$ Slant
Intermodulation IM7 (2x 20W carrier)	<-160 dBc
Isolation Between Ports 1920-2170 MHz	<-30 dB
Front-to-back Ratio	>25 dB
Upper Sidelobe Suppression	>18 dB
-3dB Horizontal Beamwidth	65°
-3dB Vertical Beamwidth	6°
Continuous Power Rating	200 W
Fixed Electrical Downtilt	0°, 2°, 4°, 6°, 8°, 10° * Options
Impedance	50 Ω
MECHANICAL SPECIFICATIONS	
Connector(s)	2 x 7/16 DIN socket at bottom
Dimensions (LxWxD)	1500 x 170 x 75 mm
Weight	4.5kg
IP Rating	IP66 Standard
Mounting	Pole
Mechanical Downtilt	0° to -10° manual adjustable
Materials:	
Radiating Elements	Circuit Board
Radome	Polycarbonate
Reflector	Aluminium

* When ordering please place Tilt option after the x in the code eg: 2 deg tilt AQ65X2U15, 4 deg tilt AQ65X4U15

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Provisional Datasheet