

## Y406CP

UHF 380-700MHz

Circular Polarised Yagi

A cross polarised Yagi produces a circular elliptical radiation pattern which reduces unwanted reflection and refraction of signals. This improves transmit and receive performance, particularly in hilly terrain or where there are trees, wire fencing or steel structures in the signal path.

Mounting clamps, coaxial feeder cable, connectors and other installation accessories are all available separately.

Specifications	Y406-CP
Construction	Aluminium
Frequency Range	UHF 380- 700MHz
Bandwidth	Specify any 20MHz
Tuning	Factory
Return Loss, VSWR	<1.5:1 VSWR
Cross Elements	6 (each plane)
Gain (nominal)	9 dBd per plane
Polarisation	Circular Elliptical
Maximum Power	150 Watts
Impedance	50 Ohms
DC Grounding	Yes
H Plane (each plane)	50 °
E Plane (each plane)	46 °
Connector	N-type female output on 2-way phasing harness (supplied)
Boom Length	1.2 metres @ 380MHz
Max. Element Length	0.4 metres @ 380MHz
Boom Diameter	25mm square
Weight	0.9Kg
Projected Area	0.078 m <sup>2</sup>
Wind Load at 160kph	9.46Kg, 0.093kN
Mounting Accessories (order seperate)	1 x A48-AM or consult ZCG for advice



Sample Patterns  
at 410 MHz

