



MODEL 374X-2

FEATURES

A two stack circularly polarized folded dipole antenna intended for the use in point to point or point to multi-point communication applications.

Standard polarization is right hand circular, left hand polarization may be supplied to order.

CONSTRUCTION

The design utilizes soldered or welded joints in the RF current path thereby minimizing intermodulation products from being produced by dissimilar metal junctions.

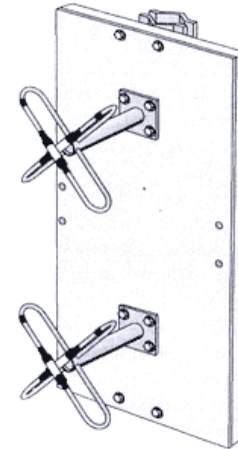
Dipole assemblies, mounting clamps and all hardware are manufactured from stainless steel with the reflector panel being constructed from aluminium.

Supplied complete with mounting clamps for attachment to a $\varnothing 55-100$ mm vertical member.

NOTES

Additional stacking configurations may be supplied to order.

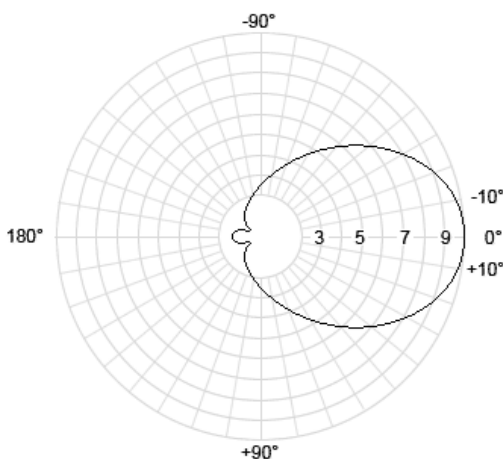
Each antenna is individually tuned, tested and shipped ready to install.



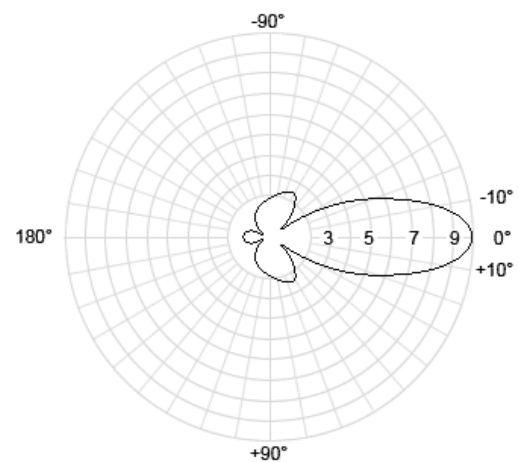
MODEL 374X-2

MODEL NO	374X-2
FREQUENCY RANGE	400 - 520 MHz
IMPEDANCE	50 ohms
BANDWIDTH	50 MHz
VSWR	< 1.5:1
GAIN	8.5dBi
AXIAL RATIO	± 1 dB
BEAMWIDTH E	80°
BEAMWIDTH H	30°
FRONT/BACK RATIO	15dB
POWER	200 Watts (input)
LIGHTNING	DC GROUND
TERMINATION	'N' FEMALE
WIDTH	500 mm
DEPTH	350 mm
HEIGHT	1200 mm
WEIGHT	11.5kg
MOUNTING TUBE \varnothing	55-100mm
PROJECTED AREA	0.6 m ²
LATERAL THRUST *	1.100 kN (@ 175 km/h)

* In accordance with AS 1170 : Part 2 "SAA Loading Code - Wind Forces"



Horizontal Radiation Pattern MODEL 374X-2



Vertical Radiation Pattern MODEL 374X-2



POLAR ELECTRONIC INDUSTRIES PTY LTD

COMMUNICATIONS ENGINEERS

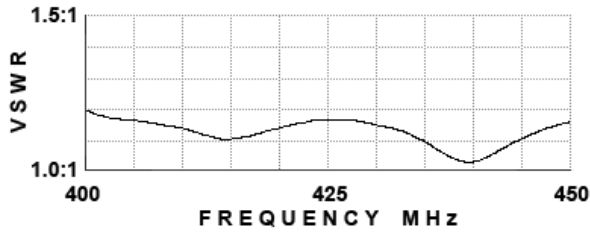
ACN : 005 545 291 ABN : 74 711 768 638

9 - 15 FRIARS RD MOORABBIN 3189 VICTORIA AUSTRALIA

T : + 61 3 9555 2500 F : + 61 3 9555 1515 TF : 1800 33 5633 (Australia only)

E : polar@polarelec.com.au W : http://www.polarelec.com.au





Typical VSWR Plot MODEL 374X-2



POLAR ELECTRONIC INDUSTRIES PTY LTD

COMMUNICATIONS ENGINEERS

ACN : 005 545 291 ABN : 74 711 768 638

9 - 15 FRIARS RD MOORABBIN 3189 VICTORIA AUSTRALIA

T : + 61 3 9555 2500 F : + 61 3 9555 1515 TF : 1800 33 5633 (Australia only)

E : polar@polarelec.com.au W : http://www.polarelec.com.au

