



## MODEL 813

### FEATURES

A range of omnidirectional, unity gain, vertical dipole antennas.

### CONSTRUCTION

Constructed using an aluminium alloy mounting tube with a fibreglass radome for additional strength and to reduce precipitation static.

### NOTES

Factory preset to user-specified frequency.

Shipped ready for installation.



MODEL 213/313/813

<b>MODEL NO</b>	813
<b>FREQUENCY RANGE</b>	820 - 960 MHz
<b>IMPEDANCE</b>	50 ohms
<b>BANDWIDTH</b>	9%
<b>VSWR</b>	1.5:1
<b>GAIN</b>	UNITY
<b>BEAMWIDTH E</b>	90°
<b>BEAMWIDTH H</b>	360°
<b>POWER</b>	250 Watts
<b>LIGHTNING</b>	DC GROUND
<b>TERMINATION</b>	'N' FEMALE
<b>LENGTH</b>	800 mm
<b>WEIGHT</b>	0.9kg
<b>MOUNTING TUBE Ø</b>	32mm
<b>PROJECTED AREA</b>	0.03 m <sup>2</sup>
<b>LATERAL THRUST *</b>	0.050 kN (@ 175 km/h)

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



## 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

