

COMPACT PANEL ANTENNA - 11dBi

700MHz Antenna Spec Sheet



The Mimomax Panel Antennas are compact, wide-band, flat panel, directional antennas, specifically designed for high-altitude sites that encounter ice, snow and strong wind loading. They provide independent horizontal and vertical polarisations and can be used for a wide range of radio applications including MiMO.

Like all Mimomax antennas, the Panel Antennas transmit both vertically and horizontally polarised signals from each link-end and radiates in the Mimomax bi-quadrature diversity format. The dual polarisation enables the MiMO system to fully exploit the available diversity.

Available in 11 dBi antenna gain with maximum input power of 100W, Mimomax Panel Antennas are a highly versatile base station antenna.

Heavy duty mounting available.

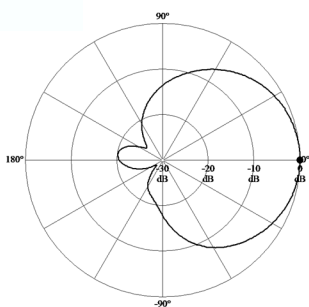
700MHz COMPACT PANEL ANTENNA - 11dBi SPECIFICATIONS

Electrical Specifications	
Antenna Gain	11dBi
Frequency Range	750-800MHz
VSWR	≤1.5:1
Polarisation	Dual, Horizontal and Vertical
F/B Ratio	≥ 15 dB
Azimuth Beamwidth (-3dB) H pol.	65°
Azimuth Beamwidth (-3dB) V pol.	65°
Elevation Beamwidth (-3dB) H pol.	32°
Elevation Beamwidth (-3dB) V pol.	32°
Input Impedance	50 Ω
Max. Power	100W
Lightning Protection	DC Ground

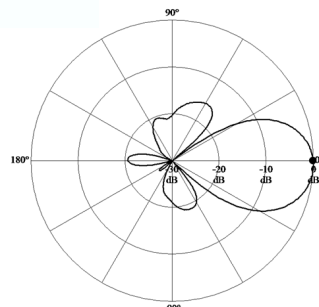
Mechanical Specifications	
Connector	2 x N-Female / 2 x 4.3-10 Female
Dimensions	640 x 280 x 130 mm
Weight	3.5kg
Reflector Material	Aluminium
Radome Material	UV-PVC
Operating Temperature	-40°C to +65°C
Mounting	Twin vertically spaced clamps for attachment to 33-62mm pipe (optional 25-55mm clamps)

Product Orders	
Product Code	Description
ANT-750-800-011-PD00	700MHz MiMO Panel, 750-800MHz, 11dBi, 2 x N-Female
ANT-750-800-011-PD0H	700MHz MiMO Panel, 750-800MHz, 11dBi, 2 x N-Female, Heavy Duty Mounting
ANT-750-800-011-PD20	700MHz MiMO Panel, 750-800MHz, 11dBi, 2 x 4.3-10 Female
ANT-750-800-011-PD2H	700MHz MiMO Panel, 750-800MHz, 11dBi, 2 x 4.3-10 Female, Heavy Duty Mounting

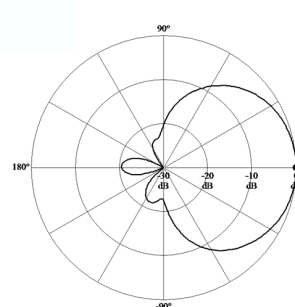
Important: Specifications are subject to change without prior notice



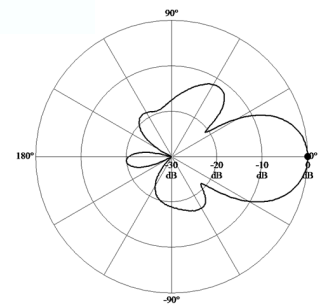
Azimuth-Horizontal Polarization



Elevation- Horizontal Polarization



Azimuth-Vertical Polarization



Elevation-Vertical Polarization