

824-960 / 1710-2170MHz Dual Pol. Manual Tilt Antenna

Electrical Specifications

Frequency Range	824 - 960 / 1710 - 2170 MHz
Gain	17.5 dBi GSM900, 17 dBi GSM1800, 18 dBi UMTS
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	65°
Vertical Beamwidth	7° with nullfill
Electrical Downtilt	0° - 10° independently continuously adjustable
Upper Sidelobe Level	< -16 dB
Front to Back Ratio	> 25dB
Power Rating	500W 900 MHz, 300W 2000 MHz
Isolation Between Ports	> 30 dB
Intermodulation	< -150 dBc (2 x 43dBm)
Impedance	50 ohm
Lightning Protection	DC grounded
Connector Type	7-16 DIN female



Mechanical Specifications

Antenna Dimensions	2630x370x120 mm
Antenna Weight	30 kg
Packed Dimensions	2760x400x210 mm
Radome Material	Polyester Fibreglass pultrusion

Maximum Environmental Ratings

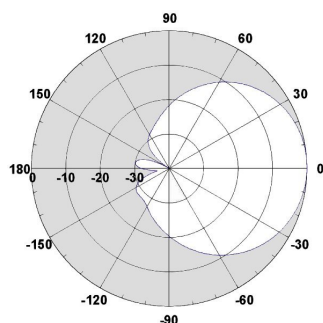
Rated Wind Velocity	200 km/h
Humidity	95% RH @ +30°C
Rain	140 mm per hour
Lateral Loading Front	1.43 kN @ 160 km/h
Lateral Loading Rear	0.92 kN @ 160 km/h
Temperature	-40°C to +70°C

Mounting Options

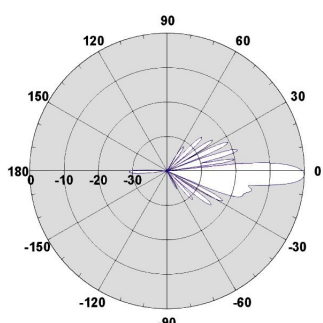
T-029-GL-E	Adjustable Clamps
F-042-GL-E	Fixed clamps
HCN-10-P	3-Sector Head-Frame
HCN-10	3-Sector Head-Frame

Product Options

CNPX310M-2P-E1	2 Port
CNPX310M-4P-E1	4 Port



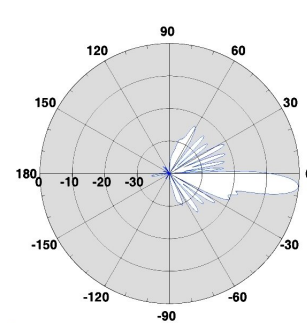
Azimuth



Elevation



Azimuth (High Band)



Elevation (High Band)

Last Updated: 01-06-2007



Argus Technologies (Australia) Pty Ltd

10-12 Lexington Drive, Norwest Business Park, Bella Vista NSW 2153 Australia

T +61 2 8884 0888 F +61 2 8884 0882 E info@argusantennas.com W www.argusantennas.com

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