

824-960/1710-2170/1710-2170MHz Triple Band Manual Tilt Panel Antenna

Electrical Specifications

Frequency Range	824 - 960 / 1710 - 2170 / 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° GSM900, 6.5° UMTS with nullfill
Electrical Downtilt	0° - 10° independently continuously adjustable
Upper Sidelobe Level	< -16 dB
Front to Back Ratio	> 25 dB
Isolation Between Ports	> 30 dB
Power Rating	500W GSM900, 300W UMTS
Intermodulation	< -150 dBc (2 x 43 dBm)
Impedance	50 ohm
Lightning Protection	DC grounded
Connector Type	7-16 DIN female



Mechanical Specifications

Antenna Dimensions	2630x370x120 mm
Packed Dimensions	2760x400x210 mm
Antenna Weight	36 kg
Radome Material	Polyester Fibreglass pultrusion

Maximum Environmental Ratings

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

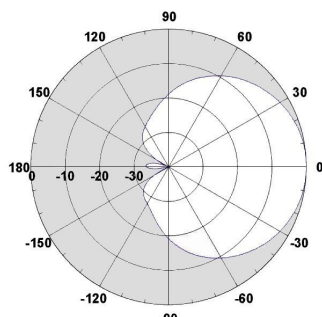
Mounting Options

F-042-GL-E
T-029-GL-E

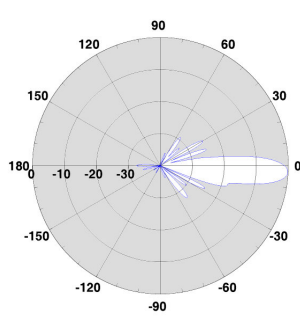
Fixed Clamps
Adjustable Clamps

Product Options

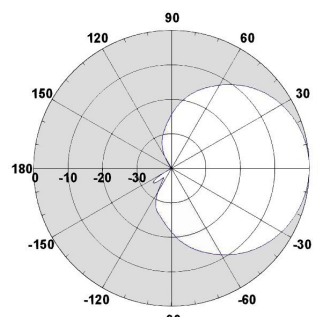
CNNPX310M-6P-E1 6 Port



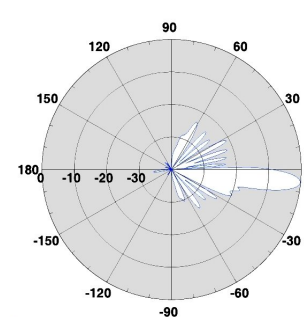
Azimuth



Elevation



Azimuth (High Bands)



Elevation (High Bands)

Last Updated: 27-08-2008



Argus Technologies (Australia) Pty Ltd

10-12 Lexington Drive, Northwest 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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