

## 824-960MHz Dual Polarization Manual Tilt Panel Antenna

### Electrical Specifications

Frequency Range	824 - 960 MHz
Gain	16.5 dBi
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	85°
Vertical Beamwidth	7° with nullfill
Electrical Downtilt	0° to 10° continuously adjustable
Upper Sidelobe Level	< -18 dB
Front to Back Ratio	> 25 dB
Isolation Between Ports	> 30 dB
Power Rating	500W
Intermodulation	< -150 dBc (2 x 43 dBm)
Impedance	50 ohm
Lightning Protection	DC grounded
Connector Type	7-16 DIN female



### Mechanical Specifications

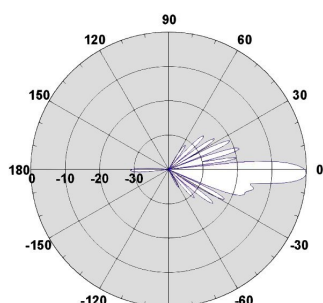
Antenna Dimensions	2630x300x115 mm
Packed Dimensions	2760x330x200 mm
Antenna Weight	22 kg
Radome Material	Fibreglass Pultrusion

### Maximum Environmental Ratings

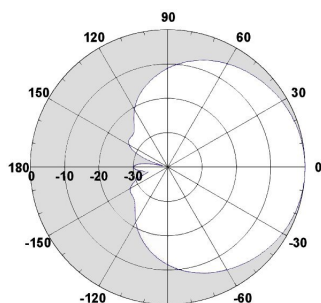
Humidity	95% RH @ +30°C
Lateral Loading (Front)	1.04 kN @ 160 km/h
Lateral Loading (Rear)	1.13 kN @ 160 km/h
Rain	140 mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to +70°C

### Mounting Options

F-042-GL-E	Fixed clamps
T-029-GL-E	Adjustable clamps



Elevation



Azimuth

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