

# SINGLE BAND PANEL ANTENNA

## BAND 700 MHz

### AT39-683TX

|                        |
|------------------------|
| 698 - 896              |
| H70° V8°               |
| Fixed Tilt 0°,2°,4°,6° |

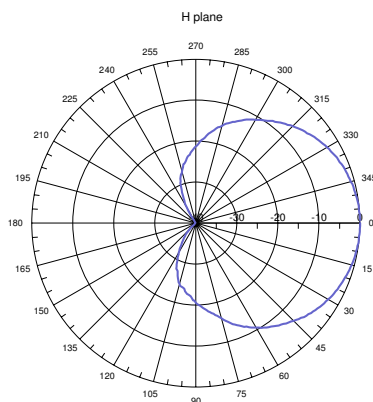
#### ELECTRICAL SPECIFICATIONS

#### BAND 700

|  |                      |
|--|----------------------|
| Antenna Model  | AT39-683TX           |
| Polarization   | Vertical             |
| Frequency (MHz)  | <b>698-896</b>       |
| Horizontal Beamwidth   | 70°                  |
| Vertical Beamwidth   | 8°                   |
| Gain (dBi)   | 16.5                 |
| Vertical Electrical Tilt   | FIXED<br>0°,2°,4°,6° |
| Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB) | 18                   |
| Front-to-Back Ratio @ 180° ± 20° (dB)  | 28                   |
| VSWR   | < 1.4 : 1            |
| Maximum Power Per Input (W)  | 500                  |
| Intermodulation (dBc)  | < - 150              |
| Impedance (Ω)  | 50                   |

#### MECHANICAL SPECIFICATIONS

|  |                                 |
|--|---------------------------------|
| Connectors                                   | 1 X 7/16 Female                 |
| Connector Position                           | Bottom                          |
| Survival Wind Speed km/h (mph)               | 200 (125)                       |
| Front Windload N @ 160 km/h (lbs @100 mph)   | 1350 (303)                      |
| Lateral Windload N @ 160 km/h (lbs @100 mph) | 270 (61)                        |
| Radome Color                                 | Grey, paintable                 |
| Humidity                                     | 100%                            |
| Antenna Weight kg (lbs)                      | 22 (48)                         |
| Antenna Dimension mm (in) H X W X D          | 2530 X 325 X 115 (100 X 13 X 5) |



H&V Pattern

