

SINGLE BAND PANEL ANTENNA

BAND 700 MHz

AT39-644TV

698 - 896
H67° V17°
Variable Tilt 0°-8°

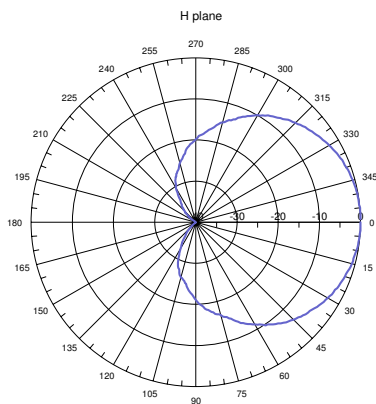
ELECTRICAL SPECIFICATIONS

BAND 700

Antenna Model	AT39-644TV
Polarization	±45°
Frequency (MHz)	698-896
Horizontal Beamwidth	67°
Vertical Beamwidth	17°
Gain (dBi)	13.7
Vertical Electrical Tilt	VARIABLE 0°-8°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	15
Front-to-Back Ratio @ 180° ± 20° (dB)	> 25
VSWR	< 1.4 : 1
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	9
Isolation Between Ports	> 30
Maximum Power Per Input (W)	500
Intermodulation (dBc)	< - 150
Impedance (Ω)	50

MECHANICAL SPECIFICATIONS

Connectors	2 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @100 mph)	655 (147)
Lateral Windload N @ 160 km/h (lbs @100 mph)	125 (28)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	15 (33)
Antenna Dimension mm (in) H X W X D	1275 X 325 X 115 (50 X 13 X 5)



H&V Pattern

