

# SINGLE BAND PANEL ANTENNA

## BAND 850 MHz

### AT41-666TV

824 - 896
H85° V10.8°
Variable Tilt 0°-10°

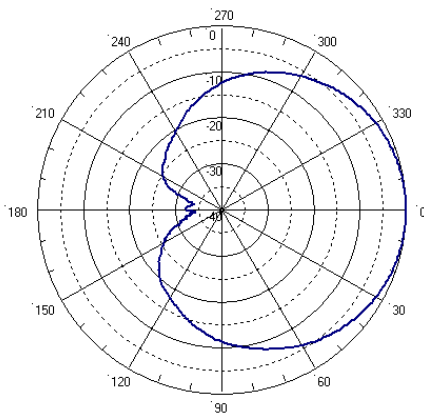
#### ELECTRICAL SPECIFICATIONS

BAND 850

Antenna Model	AT41-666TV		
Polarization	± 45°		
Frequency (MHz)	<b>824 - 896</b>		
Horizontal Beamwidth	85°		
Vertical Beamwidth	10.8°		
Gain (dBi)	<b>T0</b>	<b>T5</b>	<b>T10</b>
	14.5	14.5	14.5
Vertical Electrical Tilt	VARIABLE 0°-10°		
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	<b>T0</b>	<b>T5</b>	<b>T10</b>
	18	17	15
Front-to-Back Ratio @180° ± 20° (dB)	> 25		
VSWR	< 1.4 : 1		
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 12		
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)	1045 (235)	
Lateral Windload N @ 160 km/h (lbs @100 mph)	205 (46)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight kg (lbs)	20 (44)	
Antenna Dimension mm (in) H X W X D	1985 X 325 X 115 (78 X 13 X 5)	



H&V Pattern

