

# SINGLE BAND PANEL ANTENNA BAND 850 MHz

## AT41-686TV

824 - 896

H85° V7.6°

Variable Tilt 0°-8°

### ELECTRICAL SPECIFICATIONS

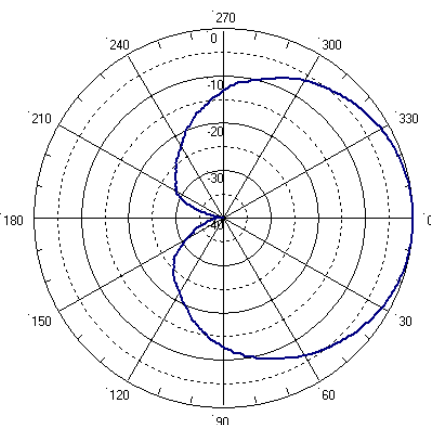
BAND 850

Antenna Model	AT41-686TV		
Polarization	± 45°		
Frequency (MHz)	<b>824 - 896</b>		
Horizontal Beamwidth	85°		
Vertical Beamwidth	7.6°		
Gain (dBi)	<b>T0</b>	<b>T4</b>	<b>T8</b>
	15	15.5	15.5
Vertical Electrical Tilt	VARIABLE 0°-8°		
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	<b>T0</b>	<b>T4</b>	<b>T8</b>
	17	17	15
Front-to-Back Ratio @180° ± 20° (dB)	> 23		
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	1350 (303)	
N @ 160 km/h	(lbs @100 mph)	
Lateral Windload	270 (61)	
N @ 160 km/h	(lbs @100 mph)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight	kg (lbs)	24 (53)
Antenna Dimension	2530 X 325 X 115 (100 X 13 X 5)	
mm (in) H X W X D		



H&V Pattern

