

SINGLE BAND PANEL ANTENNA

BAND 850 MHz

AT41-646TV

824 - 896
H85° V14.5°
Variable Tilt 0°-10°

ELECTRICAL SPECIFICATIONS

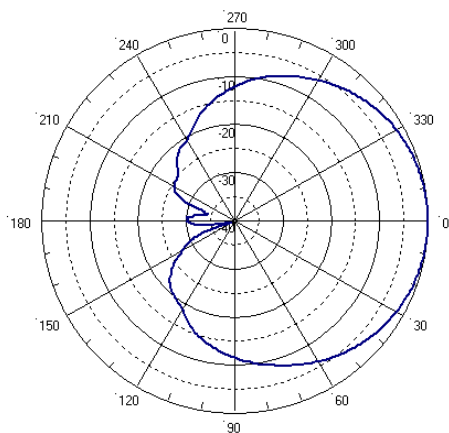
BAND 850

Antenna Model	AT41-646TV		
Polarization	± 45°		
Frequency (MHz)	824 - 896		
Horizontal Beamwidth	85°		
Vertical Beamwidth	14.5°		
Gain (dBi)	T0	T5	T10
	13.5	13.5	13.5
Vertical Electrical Tilt	VARIABLE 0°-10°		
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T0	T5	T10
	17	15	13
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 N @ 160 km/h (lbs @100 mph)	670 (150)	
Lateral Windload N @ 160 km/h (lbs @100 mph)	130 (30)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight kg (lbs)	15 (33)	
Antenna Dimension mm (in) H X W X D	1340 X 325 X 115 (53 X 13 X 5)	



H&V Pattern

