

# SINGLE BAND PANEL ANTENNA

## BAND 800 + 900 MHz

### AT40-666TV

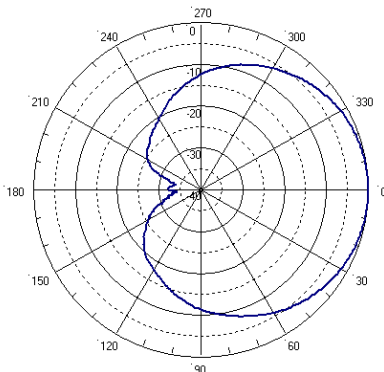
790 - 960	
790 – 896	870 - 960
H92° V11°	H87° V10.4°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

#### ELECTRICAL SPECIFICATIONS

	BAND 800			BAND 900
Antenna Model	AT40-666TV			
Polarization	± 45°			± 45°
Frequency (MHz)	<b>790 - 896</b>			<b>870 - 960</b>
Horizontal Beamwidth	92°			87°
Vertical Beamwidth	11°			10.4°
Gain (dBi)	<b>T0</b> 14.3	<b>T5</b> 14.3	<b>T10</b> 14	15
Vertical Electrical Tilt	VARIABLE 0°-10°			VARIABLE 0°-10°
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	<b>T0</b> 17	<b>T5</b> 17	<b>T10</b> 15	15
Front-to-Back Ratio @180° ± 20° (dB)	> 25			> 25
VSWR	< 1.5 : 1			< 1.5 : 1
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 10			> 10
Isolation Between Ports	> 30			> 30
Maximum Power Per Input (W)	500			500
Intermodulation (dBc)	< - 150			< - 150
Impedance (Ω)	50			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

