

SINGLE BAND PANEL ANTENNA

BAND 800 + 900 MHz

AT40-644 TX

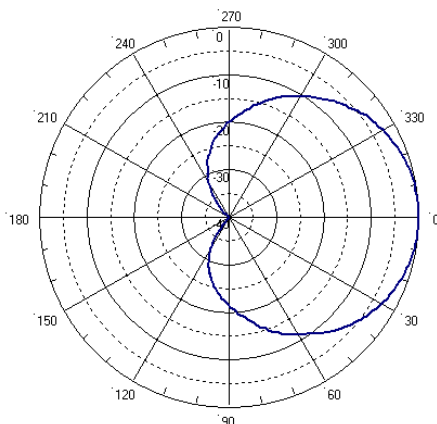
790 - 960	
790 - 896	870 - 960
H67° V15.3°	H63° V14.8°
Fixed Tilt 0°, 2°, 4°, 6°	Fixed Tilt 0°, 2°, 4°, 6°

ELECTRICAL SPECIFICATIONS

	BAND 800	BAND 900
Antenna Model	AT40-644TX	
Polarization	± 45°	± 45°
Frequency (MHz)	790 - 896	870 - 960
Horizontal Beamwidth	67°	63°
Vertical Beamwidth	15.3°	14.8°
Gain (dBi)	14.1	14.8
Vertical Electrical Tilt	FIXED 0°, 2°, 4°, 6°	FIXED 0°, 2°, 4°, 6°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	17	17
Front-to-Back Ratio @180° ± 20° (dB)	> 28	> 28
VSWR	< 1.5 : 1	< 1.5 : 1
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 12	> 12
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)	670 (150)
Lateral Windload N @ 160 km/h (lbs @100 mph)	130 (30)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	13 (28)
Antenna Dimension mm (in) H X W X D	1340 X 325 X 115 (53 X 13 X 5)



H&V Pattern

