

LOW BAND SIDE BY SIDE PANEL ANTENNA

2 x BAND 700 MHz

BAT39-642TV



2 X (698 - 896)

H40° V17°

Variable Tilt 2°-12°

ELECTRICAL SPECIFICATIONS

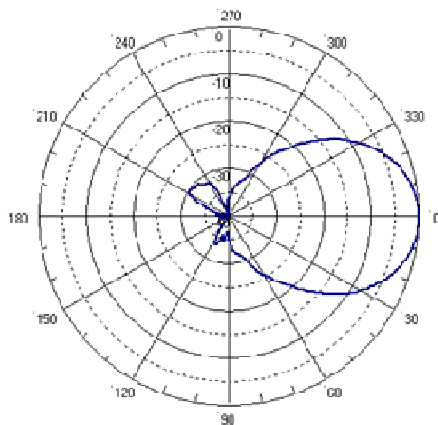
2 X BAND 700

Antenna Model	BAT39-642TV
Polarization	± 45°
Frequency (MHz)	2 X (698 – 896)
Horizontal Beamwidth	40°
Vertical Beamwidth	17°
Gain (dBi)	15.7
Vertical Electrical Tilt	VARIABLE 2°-12°
Upper Sidelobe Suppression for the 1st lobe above main beam (dB)	13
Front-to-Back Ratio @180° ± 20° (dB)	> 25
VSWR	< 1.5 : 1
Cross Polar Ratio @ ± 60° (dB) Typically	> 10
Isolation Between Ports	> 25 between ports // 25 between antenna
Maximum Power Per Input (W)	500
Intermodulation (dBC)	< - 150
Impedance (Ω)	50

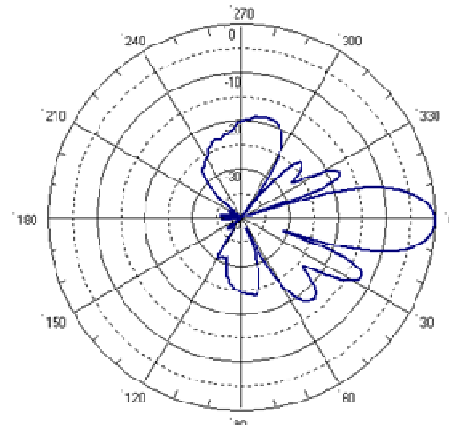


MECHANICAL SPECIFICATIONS

Connectors	4 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @ 100 mph)	1500 (340)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	270 (60)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	55 (120)
Antenna Dimension H x W x D mm (in)	1500 X 900 X 150 (60 X 36 X 6)



Azimuth



Elevation

