

LOW BAND SIDE BY SIDE PANEL ANTENNA

2 x BAND 700 MHz

BAT39-644TV



2 X (698 - 896)

H68° V14°

Variable Tilt 2°-10°

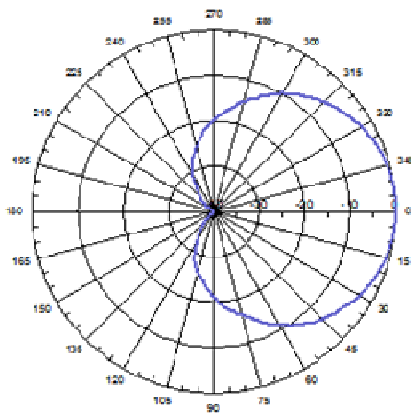
ELECTRICAL SPECIFICATIONS

2 X BAND 700

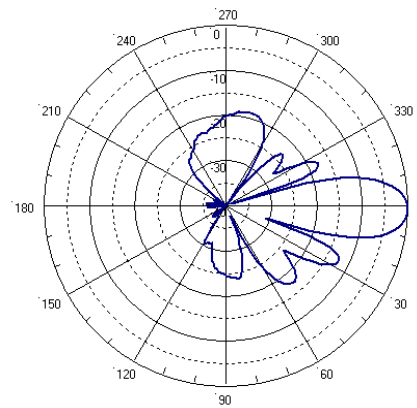
Antenna Model	BAT39-644TV
Polarization	± 45°
Frequency (MHz)	2 X (698 – 896)
Horizontal Beamwidth	68°
Vertical Beamwidth	14°
Gain (dBi)	13.2
Vertical Electrical Tilt	VARIABLE 2°-10°
Upper Sidelobe Suppression for the 1st lobe above main beam (dB)	13
Front-to-Back Ratio @180° ± 20° (dB)	> 25
VSWR	< 1.5 : 1
Cross Polar Ratio @ ± 60° (dB) Typically	> 7
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)	1100 (250)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	290 (55)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	25 (55)
Antenna Dimension H x W x D mm (in)	1500 X 510 X 150 (60 X 20 X 6)



Azimuth



Elevation