

LOW BAND SIDE BY SIDE PANEL ANTENNA

2x BAND 800 + 900 MHz

BAT40-684 TV

2 X (790 - 960)
H69° V7.3°
Variable Tilt 0°-8°

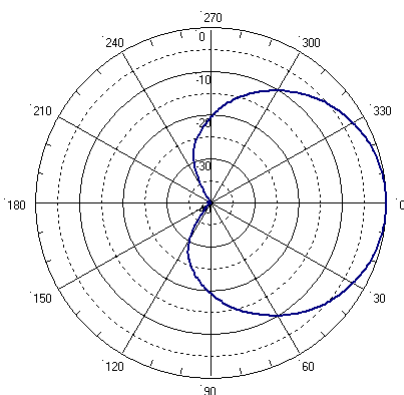
ELECTRICAL SPECIFICATIONS

2 X BAND 800+900

Antenna Model	BAT40-684TV
Polarization	± 45°
Frequency (MHz)	2 X (790 – 960)
Horizontal Beamwidth	69°
Vertical Beamwidth	7.3°
Gain (dBi)	16.5
Vertical Electrical Tilt	VARIABLE 2°-10°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	15
Front-to-Back Ratio @180° ± 20° (dB)	> 25
VSWR	< 1.5 : 1
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 8
Isolation Between Ports	> 27 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)	2000 (440)
Lateral Windload N @ 160 km/h (lbs @100 mph)	700 (160)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	40 (88)
Antenna Dimension mm (in) H X W X D	2700 X 450 X 200 (106 X 17 X 8)



H&V Pattern

