

SINGLE BAND PANEL ANTENNA BAND 900 MHz

AT42-666TX

 870 - 960

 H88° V10.2°

 Fixed Tilt 0°,2°,4°,6°

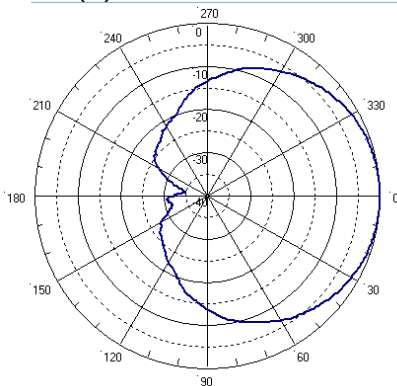
ELECTRICAL SPECIFICATIONS

BAND 900

Antenna Model	AT42-666TX
Polarization	± 45°
Frequency (MHz)	870 - 960
Horizontal Beamwidth	88°
Vertical Beamwidth	10.2°
Gain (dBi)	15.5
Vertical Electrical Tilt	FIXED 0°,2°,4°,6°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	20
Front-to-Back Ratio @ 180° ± 20° (dB)	> 25
VSWR	< 1.4 : 1
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 10
Isolation Between Ports	> 30
Maximum Power Per Input (W)	500
Intermodulation (dBc)	< - 150
Impedance (Ω)	50

MECHANICAL SPECIFICATIONS

Connectors	2 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed (km/h)	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)	18 (39)
Antenna Dimension mm (in) H X W X D	1985 X 325 X 115 (78 X 13 X 5)



H&V Pattern

