

# SINGLE BAND PANEL ANTENNA

BAND 400 MHz



## TA-470-0-90

470-698 MHz

H90° V25°

Fixed Tilt 0°

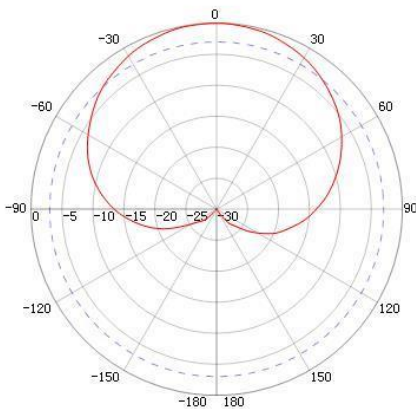
### ELECTRICAL SPECIFICATIONS

BAND 400

Antenna Model	<b>TA-470-0-90</b>
Polarization	Dual Linear (Vertical & Horizontal)
Frequency (MHz)	<b>470-698</b>
Horizontal Beam width (°)	90 ± 8
Vertical Beam width (°)	25 ± 5
Gain (dBi)	11 ± 1
Vertical Electrical Tilt (°)	FIXED 0
Front-to-Back Ratio (dB)	≥ 20
VSWR	1.5:1 Typical, 1.7:1 Max
Isolation Between Ports	≥ 25
Maximum Power Per Input (W)	100
GPS Antenna	RHC 4dBIC Gain
Lightning protection	DC Ground
Impedance (Ω)	50

### MECHANICAL SPECIFICATIONS

Connectors (H & V)	190mm Flying Lead Port N(M)
Connectors (GPS)	190mm Flying Lead Port TNC(M)
Radio Mounting Studs	Redline Compatible
Mounting Pipe O.D. mm (Inch)	48 – 102 (1.90 – 4.0)
Mounting Method (°)	Tilt Mount ( 0-10 )
UV Protection (Radome)	UV Stabilized ASA
Surface Finish	Clear Irridite Aluminum
Radome Color	Grey, paintable
Survival Wind Speed km/h (mph)	200 (125)
Operating Temperature (°C)	-40 to 60
Humidity	100%
Antenna Weight kg (lbs)	15 (33)
Antenna Dimension mm (Inch) H x W x D	1220 x 340 x 191 (48 x 13.4 x 7.5)



**H&V Pattern**

