

# Functional Description:

An antenna is essential in wireless communication, converting RF signals to electromagnetic waves for transmission and back for reception. Its role in PTP or PMP systems depends on key electrical and mechanical parameters.



## Technical Specification

### Electrical Parameter

Frequency	4.9 - 6.4 GHZ
Gain (dBi)	2*29
VSWR (MaX)	1.2:1
Cross Pol Suppression	> 25
Polarization	Linear V & H
Port to Port isolation (dB)	> 30
Max Power Input (Watts)	50
Front to Back Ration (dB)	> 35
Safety Requirements	As Per IEC Standards
Mount	Twist on
Beam Width (Degree)	6

### Environmental parameters

Temperature Range	-50 to +70
Wind Speed (KM/H)	250
Humidity	95% No Condensation

### Mechanical Parameter

Dimension (MM)	650 MM
Antenna Material	Alloy (FE+AL)
Gross Weight (KG)	8
packing Dimension (inch)	26.5*26.5*8
Mounting Hardware	MS Galvanized & Power Coated
Mounting Style	Tower & Pole
Mounting Pole Diameter (MM)	100 Max
Mounting Adjustment	H Plane $\pm 45^\circ$ V Plane $\pm$ Fine $10^\circ$

