

# Functional Description:

An antenna converts RF signals to electromagnetic waves for transmission and back to electrical signals for reception. It is essential for wireless PTP and PMP communication, with performance defined by its 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	2*N(F) or Customized
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	6

