

TDJ-1800SP10

Grid Parabolic Antenna

Technical Sheet



Specifications

Model	TDJ-1800SP10
Freq.Range-MHz	1710 to 1880
Bandwidth-MHz	170
Gain-dBi	22
Ver.Beamwidth-°	14
Hor.Beamwidth-°	10
F/B Ratio-dB	≥25
VSWR	≤1.5
Impedance-Ω	50
Polarization	Vertical or Horizontal
Max.Power-W	100
Connector	N Female or Customized
Dimensions-m	0.6×0.9
Weight-Kg	3.5
Rated Wind Velocity-m/s	60
Pole Diameter-mm	φ 40 to 50

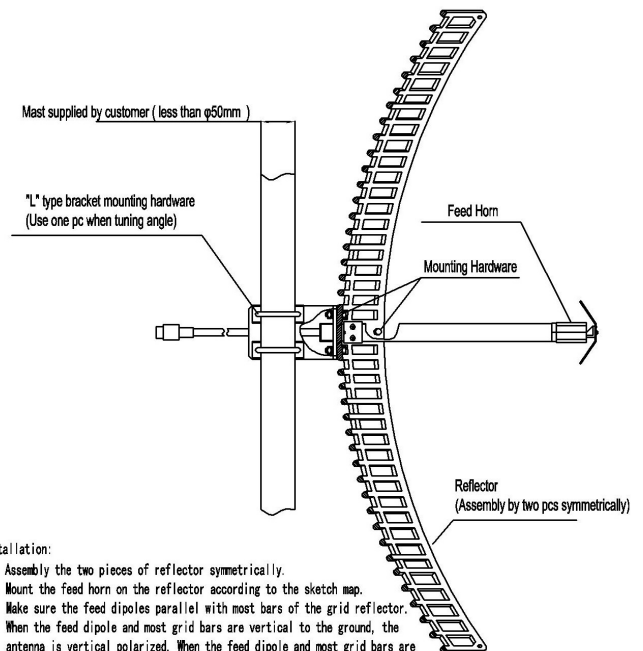
Applications

- 1800MHz Communications Band
- Long-distance Communications
- Point to Point/ Point to Multipoint System
- Wireless Bridges

Features

- High Gain, High F/B Ratio
- Aluminum Die Cast Grid Parabolic
- Low Wind Loading
- UV Stable Coat Finish
- Vertical or Horizontal Polarization

Installation Sketch



Installation:

1. Assembly the two pieces of reflector symmetrically.
2. Mount the feed horn on the reflector according to the sketch map. Make sure the feed dipoles parallel with most bars of the grid reflector. When the feed dipole and most grid bars are vertical to the ground, the antenna is vertical polarized. When the feed dipole and most grid bars are horizontal to the ground, the antenna is horizontal polarized.
3. Mount the "L" type bracket at the back of the reflector, then mount the antenna on the mast supplied by customer according to the sketch map.
4. Test the antenna with equipment to make sure the antenna receive the best signal by tuning the azimuth and pitching angle, then lock all the screws and seal the connector between antenna and cable.