

# TDJ-5500SPL6

## Square Grid Parabolic Antenna

### Technical Sheet



#### Applications

- 5.5GHz WLAN system
- 5.5GHz band
- Support IEEE802.11a,g
- Long-distance transmission
- Point to point system
- Wireless bridges

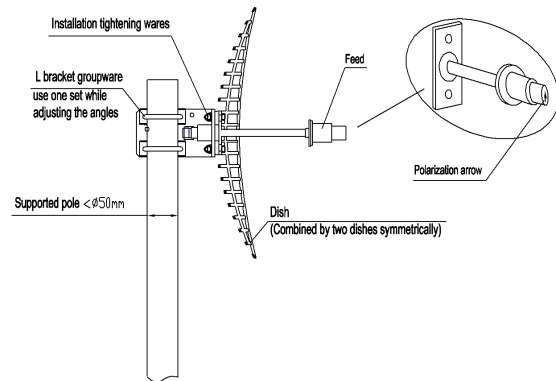
#### Features

- High gain, Low VSWR
- Die cast aluminum square grid reflector
- Grid structure reduces wind loading
- UV stable coat finish
- Vertical or horizontal polarization
- Supplied with down-tilt mast mounting bracket

#### Specifications

Model	TDJ-5500SPL6
Freq. Range-MHz	5470 to 5725
Bandwidth-MHz	255
Gain-dBi	26
Beamwidth-°	E:10 H:6.5
F/B Ratio-dB	≥25
VSWR	≤1.5
Impedance-Ω	50
Polarization	Vertical or Horizontal
Max. Power-W	100
Connector Type	N Female
Dimension-m	0.4×0.6
Weight-Kg	2.4
Pole Diameter-mm	φ 40 to 50

#### Installation Sketch



#### Installation ways:

1. Combine two dishes symmetrically to compose a parabolic groupware.
2. Install the feed to the dish as per the sketch, ensure that the direction of the "polarization arrow" on the feed is the same with the direction of the grid. When the direction of the arrow and the grid are both vertical with the ground, the antenna is in vertical polarization state. When the direction of the arrow and the grid are both horizontal with the ground, the antenna is in horizontal polarization state.
3. Install the L bracket to the dish, then place the antenna to the supported pole as per the sketch.
4. Test the receiving signal by instruments, adjust the azimuth angle and the pitching angle to enlarge the receiving signal. Tighten all the nuts and seal the connector for joining the antenna and the feed.



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