

PRO 2.5-001HD/TSV50/...

50 cm Parabolic Antenna for the 2.5 GHz Band with Housing for Electronic Equipment

DESCRIPTION

- Completely assembled parabolic antenna with housing for electronic equipment.
- Ideal for fixed links and point-to-multipoint applications, e.g. RLAN, video link etc.
- The 2.5 GHz band covered in two models.
- Approx. 17 dBd gain.
- Approx. 15° half-power beam width.
- 48 cm parabolic dish with F/D: 0.4.
- Feeding arrangement in PCB technology.
- The antenna is carefully sealed with a radome of outdoor quality plastic.
- The antenna is terminated with an SMA (female) connector (inside the equipment housing).
- The housing is provided with N (female) connector for the download cable.
- Heavy-duty stainless steel mast mounting bracket integrated on the housing.
- Bracket adjustable in azimuth ($\pm 10^\circ$) as well as elevation ($\pm 26^\circ$).
- For mounting on 50 - 115 mm mast tubes.



ORDERING DESIGNATIONS

| TYPE | PRODUCT NO. | FREQUENCY |
|-----------------------|-------------|-----------------|
| PRO 2.5-001HD/TSV50/l | 150000067 | 2300 – 2500 MHz |
| PRO 2.5-001HD/TSV50/h | 150000069 | 2500 – 2700 MHz |

SPECIFICATIONS

| ELECTRICAL | |
|--------------|---|
| MODEL | PRO 2.5-001HD/TSV50/... |
| ANTENNA TYPE | Parabolic dish antenna |
| FREQUENCY | l: 2300 – 2500 MHz h: 2500 – 2700 MHz |
| IMPEDANCE | Nom. 50 Ω |
| POLARIZATION | Vertical |
| GAIN | Approx. 19 dBi 17 dBd |
| BANDWIDTH | 200 MHz |
| SWR | ≤ 1.5 |
| MAX. POWER | 10 W |
| MECHANICAL | |
| CONNECTION | Antenna: SMA (female) (inside housing) Housing: N (female) (for connection of download cable) |
| WIND SURFACE | Approx. 0.25 m ² |
| WIND LOAD | Approx. 316 N @ 160 km/h |
| COLOUR | Radome: Light grey Housing, brackets: Grey |
| MATERIALS | Parabolic dish: Aluminium Feeding system: Brass and glass epoxy PCB Housing: Glass reinforced plastic Brackets: Stainless steel |
| DIMENSIONS | Diameter, dish: 480 mm Depth: (approx.) 400 mm (incl. housing) Housing (H x W x D) outside: 220 x 170 x 150 mm inside: 190 x 135 x 120 mm |
| WEIGHT | Approx. 10 kg |
| MOUNTING | Mast mounting with supplied bracket on 50 - 115 mm mast tube |



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