

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 downlead 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.



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
POLARISATION	Vertical
GAIN	Approx. 19 dBi 17 dBd
BAND WIDTH	200 MHz
SWR	≤ 1.5
MAX. POWER	10 watts
MECHANICAL	
CONNECTION	Antenna: SMA (female) (inside housing) Housing: N (female) (for connection of downlead 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

PLEASE NOTE:

The PRO 2.5-001HD/... is also available in a 20 dB-version with a 70 cm parabolic dish, type no. PRO 2.5-001HD/TSV 70/... with same frequency segmentation as above.

ORDERING DESIGNATIONS

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

PROCOM A/S reserve the right to amend specifications without prior notice.