

PRO GHz-LINK SERIES

Series of Parabolic Antennas with Housing for Electronic Equipment for Link Applications in the Microwave Bands



DESCRIPTION:

- ★ Series of completely assembled parabolic antennas with housing for electronic equipment.
- ★ Ideal for fixed links, e.g. video links, data links etc.
- ★ Models available for the 7 GHz, 10 GHz, 14 GHz, 18 GHz, 23 GHz, and 38 GHz microwave bands.
- ★ Choose between a 48 cm and a 70 cm parabolic dish.
- ★ The antenna is carefully sealed with a radome of outdoor quality plastic.
- ★ The antenna is terminated with a coaxial/waveguide transition with 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.



MODEL SURVEY/ORDERING DESIGNATIONS

FREQ.	7 GHz	10 GHz	14 GHz	18 GHz	23 GHz	38 GHz
DISH SIZE	7.125–7.725 GHz	10.15–10.65 GHz	14.50–15.35 GHz	17.70–19.70 GHz	22.0–23.6 GHz	37.0–39.5 GHz
48 cm	PRO 7-001HD/TSV50	PRO 10-001HD/TSV50	PRO 14-001HD/TSV50	PRO 18-001HD/TSV50	PRO 23-001HD/TSV50	PRO 38-001HD/TSV50
70 cm	PRO 7-001HD/TSV70	PRO 10-001HD/TSV70	PRO 14-001HD/TSV70	PRO 18-001HD/TSV70	PRO 23-001HD/TSV70	PRO 38-001HD/TSV70

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

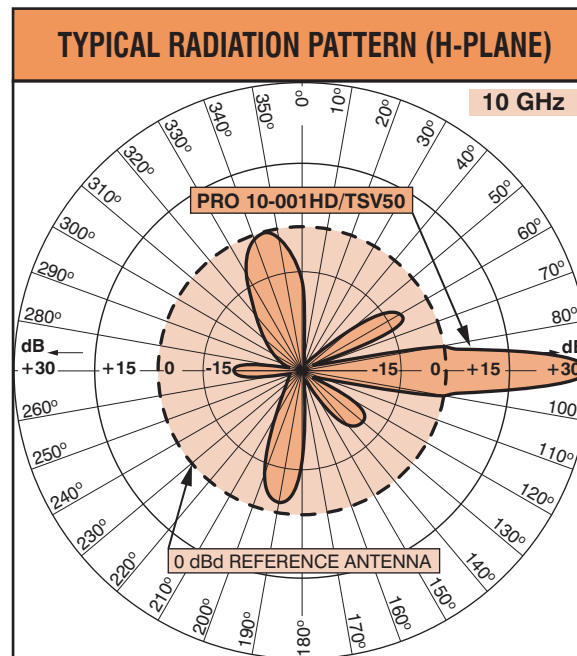
PRO GHz-LINK SERIES

Series of Parabolic Antennas with Housing for
Electronic Equipment for Link Applications
in the Microwave Bands



GENERAL SPECIFICATIONS:

MODEL	PRO...-001HD/TSV50	PRO...-001HD/TSV70
ELECTRICAL		
ANTENNA TYPE	Parabolic dish antenna with radome, housing and mounting bracket	
IMPEDANCE	Nom. 50 Ω	
POLARISATION	Horizontal	
SWR	≤ 1.5 within the band	
MAX. POWER	250 watt	
MECHANICAL		
CONNECTION	Antenna: SMA (female) (coaxial/waveguide transition inside housing) Housing: N (female) (for connection of the downlead cable)	
WIND SURFACE	Approx. 0.25 m ²	Approx. 0.38 m ²
WIND LOAD	Approx. 340 N (at 150 km/h)	Approx. 510 N (at 150 km/h)
COLOUR	Radome: Light grey Housing, brackets: Grey	
MATERIALS	Parabolic dish: Aluminium Waveguide components: Brass and copper Housing: Glass reinforced plastic Brackets: Stainless steel	
DIMENSIONS, dish diameter	480 mm	700 mm
DIMENSIONS, housing (H x W x D)	Outside: 220 x 170 x 150 mm Inside: 190 x 135 x 120 mm	
DIMENSIONS, total depth	Approx. 400 mm	Approx. 500 mm
WEIGHT	Approx. 15 kg	Approx. 17 kg
MOUNTING	Mast mounting with supplied bracket on 50–115 mm mast tube	



FREQUENCY DEPENDENT SPECIFICATIONS:

MODE	PRO 7-001HD/...	PRO 10-001HD/...	PRO 14-001HD/...	PRO 18-001HD/...	PRO 23-001HD/...	PRO 38-001HD/...
FREQUENCY	7.125–7.725 GHz	10.15–10.65 GHz	14.50–15.35 GHz	17.70–19.70 GHz	22.0–23.6 GHz	37.0–39.5 GHz
APPROXIMATE GAIN, .../TSV50	24 dBd 26 dBi	27 dBd 29 dBi	30 dBd 32 dBi	32 dBd 34 dBi	34 dBd 36 dBi	38 dBd 40 dBi
APPROXIMATE GAIN, .../TSV70	27 dBd 29 dBi	30 dBd 32 dBi	33 dBd 35 dBi	35 dBd 37 dBi	37 dBd 39 dBi	41 dBd 43 dBi

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