

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

DISH SIZE	FREQUENCY 7 GHz 7.125–7.725	PRODUCT NO.	FREQUENCY 10 GHz 10.15–10.65	PRODUCT NO.
48 cm	PRO 7-001HD/TSV50	150000106	PRO 10-001HD/TSV50	150000063
70 cm	PRO 7-001HD/TSV70	150000107	PRO 10-001HD/TSV70	150000061
DISH SIZE	FREQUENCY 14 GHz 14.50–15.35	PRODUCT NO.	FREQUENCY 18 GHz 17.70–19.70	PRODUCT NO.
48 cm	PRO 14-001HD/TSV50	150000065	PRO 18-001HD/TSV50	150000109
70 cm	PRO 14-001HD/TSV70	150000108	PRO 18-001HD/TSV70	150000110
DISH SIZE	FREQUENCY 23 GHz 22.0–23.6	PRODUCT NO.	FREQUENCY 38 GHz 37.0–39.5	PRODUCT NO.
48 cm	PRO 23-001HD/TSV50	150000068	PRO 38-001HD/TSV50	150000066
70 cm	PRO 23-001HD/TSV70	150000076	PRO 38-001HD/TSV70	150000111

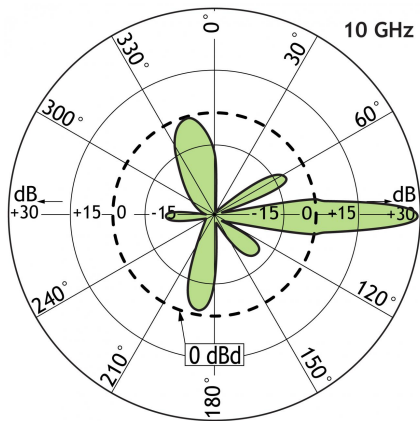
FREQUENCY DEPENDENT SPECIFICATIONS

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

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	
POLARIZATION	Horizontal	
SWR	< 1.5 within the band	
MAX. POWER	250 W	
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. 316 N @ 160 km/h	Approx. 480 N @ 160 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	

TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.

16/11/11