

PRO GHz LIGHTWEIGHT-LINK SERIES

Series of Parabolic Antennas with Housing for Electronic Equipment for Link Applications, transverters etc. 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 5.7 GHz, 10 GHz, 24 GHz, 47 GHz and 76 GHz microwave bands.
- ★ The antenna is carefully sealed with a radome of outdoor quality plastic.
- ★ The housing is provided with N (female) connector for the downlead cable and a cable feed through for a possible DC-supply cable.
- ★ The antenna is terminated with a coaxial/waveguide transition with SMA (female) connector (inside the equipment housing).
- ★ For mounting on 38–65 mm mast tubes.



MODEL SURVEY/ORDERING DESIGNATIONS

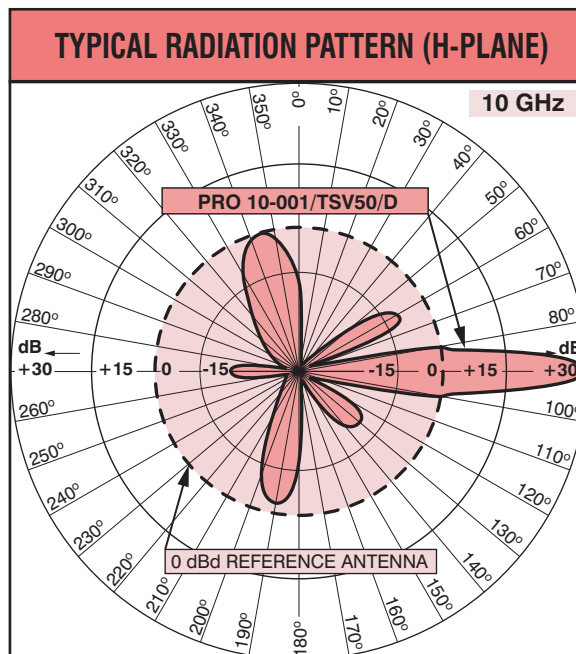
FREQ.	5.7 GHz	10 GHz	24 GHz	47 GHz	76 GHz
DISH SIZE	5.65-5.85 GHz	10-10.5 GHz	24-24.25 GHz	47-47.2 GHz	75.5-81 GHz
25 cm incl. dome	-	-	-	PRO 47-001/TSV/25/D	PRO 76-001/TSV/25/D
48 cm incl. dome	PRO 5.7-001/TSV/50/D	PRO 10-001/TSV/50/D	PRO 24-001/TSV/50/D	-	-

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GENERAL SPECIFICATIONS:

MODEL	PRO...-001/TSV/25/D	PRO...-001/TSV/50/D
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 download cable)	
WIND SURFACE	Approx. 0.05 m ²	Approx. 0.18 m ²
WIND LOAD	Approx. 64 N @ 160 km/h	Approx. 228 N @ 160 km/h
COLOUR	Radome: Light grey Housing, brackets: Grey	
MATERIALS	Parabolic dish: Aluminium Waveguide components: Brass and copper Housing: Plastic Brackets: Iron, hot galvanized	
DIMENSIONS, dish diameter	250 mm	480 mm
DIMENSIONS, housing (H x W x D)	Outside: 220 x 170 x 140 mm Inside: 214 x 162 x 129 mm	
DIMENSIONS, total depth	Approx. 350 mm	Approx. 400 mm
WEIGHT	Approx. 4 kg	
MOUNTING	Mast mounting with supplied bracket on 38–65 mm mast tube	



FREQUENCY DEPENDENT SPECIFICATIONS:

MODE	PRO 5.7-001/TSV/50/D	PRO 10-001/TSV/50/D	PRO 24-001/TSV/50/D	PRO 47-001/TSV/25/D	PRO 76-001/TSV/25/D
FREQUENCY	5.65–5.85 GHz	10–10.5 GHz	24–24.25 GHz	47–47.2 GHz	75.5–81 GHz
APPROXIMATE GAIN, .../TSV/25D	-	-	-	36 dBd 38 dBi	40 dBd 42 dBi
APPROXIMATE GAIN, .../TSV/50D	24 dBd 26 dBi	27 dBd 29 dBi	36 dBd 38 dBi	-	-