

PRO GHz LIGHTWEIGHT-LINK SERIES

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

DESCRIPTION

- Series of completely assembled parabolic dish 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.
- Specially designed feed horn ensures low side lobes and high F/B ratio.
- F/D = 0.4
- The antennas are carefully sealed with a radome of white UV-proof ABS.
- The housing is provided with N-female connector for the download cable and a cable feed-through for e.g. a DC or control signal cable.
- Waveguide termination (inside the equipment housing):
 - 5.7 GHz: Waveguide/coaxial transition with SMA-female connector.
 - 10 GHz: Waveguide/coaxial transition with SMA-female connector.
 - 24 GHz: Waveguide/coaxial transition with SMA-female connector.
 - 47 GHz: PROCOM waveguide flange type PRO-47-006.
 - 76 GHz: PROCOM waveguide flange type PRO-76-006.
- Mast mounting bracket for mounting on 38 – 65 mm mast tubes.

PRO 10-001/TSV/50/D



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO 47-001/TSV/25/D	150000112
PRO 76-001/TSV/25/D	150000113
PRO 5.7-001/TSV/50/D	150000098
PRO 10-001/TSV/50/D	150000064
PRO 24-001/TSV/50/D	150000060

MODEL SURVEY/ORDERING DESIGNATIONS

DISH SIZE	FREQUENCY GHZ				
	5.7 GHz 5.65-5.85	10 GHz 10-11.5	24 GHz 24-24.25	47 GHz 47-47.2	76 GHz 75.5-81
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	-	-

FREQUENCY DEPENDENT SPECIFICATIONS

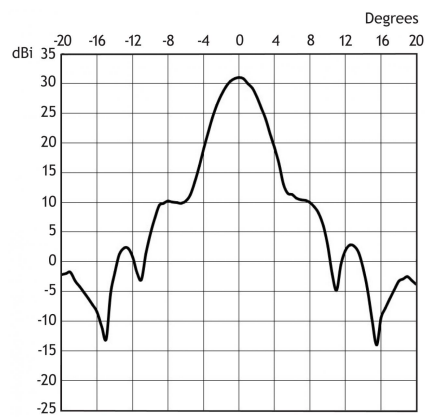
MODE	PRO 5.7-001/TSV/50/D	PRO 10-001/TSV/50/D	PRO 24-001/TSV/50/D	PRO 47-001/TSV/25/D	PRO 76-001/TSV/25/D
FREQUENCY GHz	5.65-5.85	10-11.5	24-24.25	47-47.2	75.5-81
APPROXIMATE GAIN, .../TSV/25D	-	-	-	37 dBd 39 dBi	39 dBd 41 dBi
APPROXIMATE GAIN, .../TSV/50D	24 dBd 26 dBi	29 dBd 31 dBi	33 dBd 35 dBi	-	-

SPECIFICATIONS

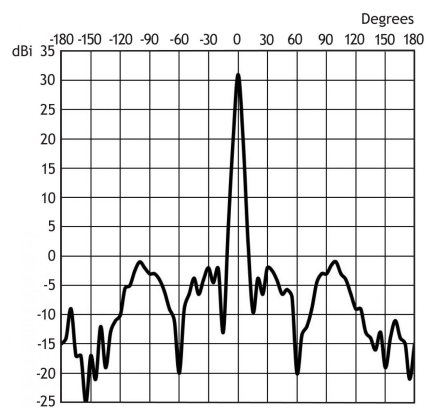
MODEL	PRO....-001/TSV/25/D	PRO....-001/TSV/50/D
ELECTRICAL		
ANTENNA TYPE	Parabolic dish antenna with radome, housing and mounting bracket	
IMPEDANCE	Nom. 50 Ω	
POLARIZATION	Horizontal	
SWR	< 1.5 within the band	
MAX. POWER	250 W	
MECHANICAL		
CONNECTION	Antenna: SMA (female) (coaxial/waveguide transition inside housing) Housing: N (female) (for connection of the downlead cable)	
WIND SURFACE	Approx. 0.06 m²	Approx. 0.25 m²
WIND LOAD	Approx. 90 N @ 160 km/h	Approx. 320 N @ 160 km/h
COLOUR	Radome: White RAL 9010 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	

TYPICAL RADIATION PATTERN ENVELOPE PRO-10-001/TSV/50/D

Main lobe : Horizontal polarization



Total RPE : Horizontal polarization



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