

Parabolic Antennas

PRB 60 PRB 120 PRB 180

Designed and realized to be used in the frequency band for radio link systems, these reflectors guarantee high directivity and high front to back ratio.

The perfect parabolic mirror is realized by means of a new advanced technology capable of assuring a very accurate mechanical construction.

Each type of antenna can be equipped with a fiberglass radome, to protect the illuminator.

The radome introduces a very limited attenuation and has no influence on the front to back ratio.

The antenna is also equipped with a metal shroud.

The parabolic dish can be equipped with different type of illuminators for several frequency bands, and for single or double polarization.

The range between 1.4Ghz to 23 GHz is approved by English body DTI class 3.

CODE	MODEL	DESCRIPTION
F675	PRB60/P	Parabolic Antenna 60 cm., Yagi feeder, 1.4-2.8 GHz
F682	PRB120/P	Parabolic Antenna 120 cm, Yagi feeder, 1.4-2.8 GHz
F677	PRB180/P	Parabolic Antenna 180 cm, Yagi feeder, 1.4-2.8 GHz
F652	PRB60/H	Parabolic Antenna, 60 cm. diameter, with mounting kit
F651	PRB120/H	Parabolic Antenna, 120 cm. diameter, with mounting kit
F655.01	ILM 5-7/60	Feeders for 60 cm. diameter Parabolic Frequency 5-7GHz
F655.02	ILM 5-7/120	Feeders for 120 cm. diameter Parabolic Frequency 5-7GHz
F652.02	ILM 10-15/60	Feeders for 60 cm. diameter Parabolic Frequency 10-15Ghz
F655	ILM 10-15/120	Feeders for 120 cm. diameter Parabolic Frequency 10-15Ghz
AVAILABLE OPTIONS	Radome fiber glass for Parabolic, Diameters up to 300 cm.	



SPECIFICATIONS	PRB 60	PRB 60/P	PRB 60/H
Type	Yagi	Yagi or Waveguide	Yagi or Waveguide
Input Connector	N - PBR	N - PBR	N - PBR
Accuracy construction	± 0,5 mm	± 0,5 mm	± 0,5 mm
Adjustment of polarization	360 °	360 °	360 °
Max Wind Velocity	150 Km/h	150 Km/h	150 Km/h
Adjustment azimuth and elevation	± 10 °	± 10 °	± 10 °
Dimensions (W x H X D) mm	60, 120, 180 mm diam.	60, 120, 180 mm diam.	60, 120, 180 mm diam.

FREQUENCY RANGE	DIAMETER	TYPE	GAIN	VSWR MAX	HALF POWER BEAMWIDTH (°)	FRONT TO BACK RATIO
900 ÷ 1500 MHz	60	Yagi feed-horn	16,5	>16	25,6	>25
900 ÷ 1500 MHz	120	Yagi feed-horn	22,5	>16	14,1	>26
900 ÷ 1500 MHz	180	Yagi feed-horn	26	>16	9,3	>26
1400 ÷ 2500 MHz	60	Yagi feed-horn	20,2	>19	20,5	>30
1400 ÷ 2500 MHz	120	Yagi feed-horn	26,2	>19	10,2	>32
1400 ÷ 2500 MHz	180	Yagi feed-horn	29,2	>19	6,9	>34
6900 ÷ 9000 MHz	60	Waveguide	32,1	>22	5,3	>42
6900 ÷ 9000 MHz	120	Waveguide	38,2	>22	2,7	>45
6900 ÷ 9000 MHz	180	Waveguide	41,7	>22	1,8	>48
10000 ÷ 15000 MHz	60	Waveguide	36,1	>22	3,2	>41
10000 ÷ 15000 MHz	120	Waveguide	42,2	>22	1,6	>47
10000 ÷ 15000 MHz	180	Waveguide	45,7	>22	1,09	>50
10000 ÷ 15000 MHz	60HP	Waveguide	38,2	>23	2,6	>72
15000 ÷ 18000 MHz	60HP	Waveguide	40	>25	2,4	>72
21000 ÷ 23800 MHz	60HP	Waveguide	41,2	>25	1,8	>72