

HPD4-6

1.2 M | 4 FT HIGH PERFORMANCE PARABOLIC REFLECTOR ANTENNA, DUAL-POLARIZED, 5.725-7.125GHZ



SPECIFICATIONS

General

Antenna Type	High Performance Parabolic Reflector Antenna	Standard RF Connector Type	CPR137G
Size, nominal	4 ft 1.2 m	Standard RF Connector Suffix	RS (append suffix to model number)
Polarization	Dual		

Electrical

Operating Frequency Band	5.725 - 7.125 GHz	Gain, Low Frequency	35 dBi
Half Power Beamwidth, Horizontal	2.7 degrees	Gain, Mid Frequency	36.3 dBi
Half Power Beamwidth, Vertical	2.7 degrees	Gain, High Frequency	37 dBi
Cross-Polarization Discrimination	28 dB	VSWR	1.37:1
Front to Back Ratio (F/B)	60 dB	Return Loss	-16.1 dB

Mechanical

Fine Azimuth Adjustment	+/- 10 degrees	Mechanical Configuration	HP4
Fine Elevation Adjustment	+/- 10 degrees	Axial Force (FA)	737 lbs 3278 N
Mounting Pipe Diameter, Min	4.5 inch 11.4 cm	Side Force (FS)	365 lbs 1623 N
Mounting Pipe Diameter, Max	4.5 inch 11.4 cm	Twisting Moment (MT)	784 ft-lbs 1063 Nm
Net Weight	85 lbs 38.3 kg	Operating Temperature Range	-40 to +60 C
Wind Velocity Operational	90 mph 145 km/h	Max Pressure, PSIG, (if waveguide interface)	5
Wind Velocity Survival Rating	125 mph 201 km/h		

Regulatory Compliance

FCC	Part 101 Cat. B2
Industry Canada Compliance	undeclared

ETSI	undeclared
RoHS-compliant	Yes

Shipping Information

Package Type	Wood Crate
Gross Weight	196 lbs 88.9 kg

Dimensions, L x W x H	59 x 35 x 60in 150 x 89 x 152 cm
Shipping Volume	71.7 cu ft 2.03 cu m

*Additional OEM interfaces and adapters may be available. Contact RadioWaves for a complete and current list of available adapters.

TECHNICAL DRAWINGS

